

SERVICE MANUAL

AA-2D CHASSIS

<u>MODEL</u>	<u>DEST.</u>	<u>COMMANDER</u>	<u>CHASSIS NO.</u>
KV-32S40	US	RM-Y165	SCC-S07A-A
KV-32S40	CND	RM-Y165	SCC-S08A-A
KV-32S45	US	RM-Y165	SCC-S07B-A
KV-32S45	CND	RM-Y165	SCC-S08B-A
KV-34SL40T	TAIWAN	RM-Y165	SCC-S16A-A
KV-34SL40C	E	RM-Y165	SCC-S09A-A
KV-34SL40	E	RM-Y165	SCC-S09B-A
KV-34SL45	E	RM-Y167	SCC-S09C-A
KV-35S40	US	RM-Y165	SCC-S07D-A
KV-35S40	CND	RM-Y165	SCC-S08E-A
KV-35S45	US	RM-Y167	SCC-S07E-A
KV-35S45	CND	RM-Y167	SCC-S08F-A
KV-37SL45	E	RM-Y167	SCC-S09F-A
KV-32V40	US	RM-Y165	SCC-S07C-A
KV-32V40	CND	RM-Y165	SCC-S08C-A
KV-32V65	CND	RM-Y167	SCC-S08D-A
KV-34VL65	E	RM-Y167	SCC-S09E-A
KV-34VL65C	E	RM-Y167	SCC-S09D-A
KV-35V65	CND	RM-Y167	SCC-S08G-A
KV-37VL65	E	RM-Y167	SCC-S09G-A
KV-37VL65C	E	RM-Y167	SCC-S09H-A



KV-35V65



RM-Y167

TRINITRON® COLOR TV
SONY®



MICROFILM

SPECIFICATIONS

	KV-32S40 KV-34SL40/40T	KV-34SL40C	KV-32S45 KV-34SL45	KV-32V40	KV-32V65 KV-34VL65/65C	KV-35S40/45 KV-37SL45	KV-35V65 KV-37VL65	KV-37VL65C
Power requirements	120V,60Hz	220V,50/60Hz	120V,60Hz	120V,60Hz	120V,60Hz(65) 220V,50/60Hz(65C)	120V,60Hz	120V,60Hz	220V,50/60Hz
Number of inputs/outputs								
Video ¹⁾	1	1	2	3	3	2	3	3
S Video ²⁾	1	1	1	1	2	1	2	2
Audio ³⁾	1	1	2	3	3	2	3	3
Audio Out ⁴⁾	1	1	1	1	1	1	1	1
Monitor Out	-	-	-	1	1	-	1	1
TV out	-	-	-	-	1	-	1	1
S-Link	-	-	-	-	YES	-	YES	YES
Speaker output(W)	5W x 2	5W x 2	5W x 2	5W x 2	10W x 2	5W x 2	10W x 2	10W x 2
Power Consumption(W)								
In use(Max)	180W	175W	180W	180W	200W(65), 195W(65C)	210W	230W	225W
In standby	2W	3W	2W	2W	2W(65), 3W(65C)	2W	2W	3W
Dimensions(W/H/D) (mm)	791 x 707 x 604.5mm			821 x 675.3 x 587mm		870 x 761 x 653mm		920 x 730.8 x 641.8mm
	31 x 27 ^{13/16} x 23 ^{3/4}			32 ^{3/8} x 26 ^{5/8} x 23 ^{1/8}		34 ^{1/4} x 30 x 25 ^{5/8}		36 ^{1/4} x 28 ^{3/4} x 25 ^{1/4}
Mass (kg)	71.4kg		72.7kg		70kg		83kg	
	157lbs		160lbs		154lbs		183lbs	

¹⁾ 1 Vp-p 75 ohms unbalanced, sync negative

²⁾ Y: 1 Vp-p 75 ohms unbalanced, sync negative

C: 0.286 Vp-p (Burst signal), 75 ohms

³⁾ 500 mVrms (100% modulation), Impedance: 47 kilohms

⁴⁾ More than 408 mVrms at the maximum volume setting (variable)

Television system

American TV standard

Channel coverage

VHF:2-13/UHF:14-69/CATV:1-125

Visible screen size

32-inch picture measured (KV-32S40/32S45/32V65/34SL40/34SL40C/34SL40T/34SL45/32V40/34VL65/34VL65C)

35-inch picture measured (KV-35S40/35S45/37SL45/35V65/37VL65/37VL65C)

Actual screen size

34-inch picture measured (KV-32S40/32S45/32V65/34SL40/34SL40C/34SL40T/34SL45/32V40/34VL65/34VL65C)

37-inch picture measured (KV-35S40/35S45/37SL45/35V65/37VL65/37VL65C)

Antenna

75 ohm external terminal for VHF/UHF

Supplied Accessories

Remote commander (w/2 size AA (R6) batteries)

(●)® SRS (SOUND RETRIEVAL SYSTEM)

The (●) SRS (SOUND RETRIEVAL SYSTEM) is manufactured by Sony Corporation under license from SRS Labs, Inc. It is covered by U.S. Patent No. 4,748,669. Other U.S. and foreign patents pending.

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BBE and BBE symbol are trademarks of BBE Sound, Inc. and are licensed by BBE Sound, Inc. under USP 4638258 and USP 4482866.

Optional Accessory

Connecting Cables: VMC-810S/820S

VMC-720M,YC-15V/30V,RK-74A

TV-Stand: SU-32A3,SU-35A3

VHF/UHF Mixer: EAC-66

Design and specifications are subject to change without notice.

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WARNINGS AND CAUTIONS

CAUTION!

AFTER REMOVING THE ANODE, SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL FOR SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

ATTENTION

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RESQUE D'ELECTROCUTION PROVENANT D'UN CHASSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISE LORS DE TOUT DEPANNAGE. LE CHASSIS DE CE RECEPTEUR EST DIRECTEMENT RACCORDE A L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MARQUE  SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSEES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMERO DE PIECE EST INDIQUE DANS LE PRESENT MANUEL OU DANS DES SUPPLEMENTS PUBLIES PAR SONY. LES REGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRESENT MANUEL. SUIVRE CES PROCEDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT SUSPECTE.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
8. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC Leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampere). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instructions.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low voltage scale. The Simpson's 250 and Sanwa SH-63Trd are examples of passive VOMs that are suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

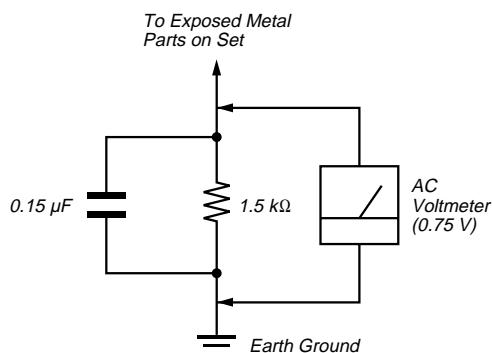


Fig. A. Using an AC voltmeter to check AC leakage.

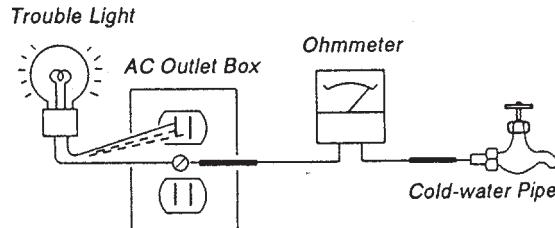


Fig. B. Checking for earth ground.

SECTION 1 GENERAL

The instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers shown reflect those of the Operating Instruction Manual.

Welcome!

Thank you for purchasing the Sony Trinitron® Color TV. This manual is written for the models listed below. Before reading, check the model number located on the front of this manual or on the rear of your TV.

Model KV-35S45 is used for menu and illustration purposes. Differences in operation are indicated in the text; for example, "KV-35S45 only".

Model Number	Speaker (Rear of TV) Speaker (Front of TV) PIP PIP to View PIP to View Surround Antenna Antenna Auto Picture Auto Picture Color
KV-32S40	
KV-32S45	•
KV-32S65	•
KV-32V40	•
KV-32V65	•
KV-35S40	•
KV-35S45	•
KV-35S65	•
KV-35V65	•

Precautions

Safety

- Operate the TV only with 120 V AC.
- The plug is designed, for safety purposes, to fit in the wall outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.
- If any liquid or solid object should fall inside the cabinet, unplug the TV immediately and have it checked by qualified personnel before operating it further.
- If you will not be using the TV for several days, disconnect power by pulling the plug itself. Never pull on the cord.

For details concerning safety precautions, see the supplied leaflet "IMPORTANT SAFEGUARDS".

Installing

- To prevent internal heat build-up, do not block the ventilation openings.
- Do not install the TV in a hot or humid place, or in a place subject to excessive dust or mechanical vibration.

Using This Manual

This manual is divided into four major sections. We recommend that you carefully review the contents of each section in the order presented to ensure that you fully understand the operation of your new TV.

1 Connecting and Installing the TV

This section guides you through your initial set up. It shows how to connect to your antenna or cable, and connect any accessories or components.

2 Basic Set Up

This section teaches you the basic skills needed to operate your new TV. It shows you how to operate special functions of the remote control.

3 Using your New TV

This section shows you how to begin using your new TV. It shows how to use the Easy Set Up Guide feature, and how to use your remote control.

4 Using your Menus

This section teaches you how to access on-screen menus and adjust your TV's settings.

Instructions in this manual are written for the remote control. Similar controls may be found on the TV console.

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Connecting and Installing the TV

Making Connections

Refer to the table below, it will direct you to the diagram suitable to the components you will be connecting.

If you will be connecting	See page
Cable or antenna only	5
Cable and antenna (KV-32S65, 32V65, 35S65, 35V65 only)	5
Cable box	6
Cable box and cable to view scrambled channels (KV-32S65, 32V65, 35S65, 35V65 only)	6
VCR and cable box	7
Direct Broadcast Satellite Receiver (DBS)	8
VCR and Direct Broadcast Satellite Receiver (DBS)	8
Digital Versatile Disc player (DVD)	9
Audio system	9
A/V receiver	10
Two VCR's for tape editing (KV-32V40, 32V65, 35V65 only)	10
Camcorder to view tapes	11
S-Link connections (KV-32S65, 32V65, 35S65, 35V65 only)	12

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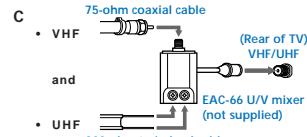
Cable or Antenna Connections

Connecting directly to cable or an antenna

The connection you choose will depend on the cable found in your home. Newer homes will be equipped with standard coaxial cable (see A); older homes will probably have 300-ohm twin lead cable (see B); still other homes may contain both (see C).

A

- VHF only 75-ohm coaxial cable (Rear of TV) VHF/UHF
- VHF/UHF or
- Cable



Note

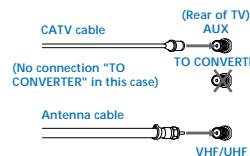
- In order to receive channels with an antenna, you will need to turn your CABLE to OFF (see page 26) and perform the AUTO PROGRAM function.

Cable and antenna

- KV-32S65, 32V65, 35S65, 35V65 only

If your cable provider does not feature local channels, you may find this set up convenient for viewing both local and cable channels.

Select cable or antenna mode by pressing ANT on the remote control. You will be able to alternate between the two input sources.



B

- VHF only 300-ohm twin lead cable (Rear of TV) VHF/UHF
- UHF only or
- VHF/UHF or
- VHF/UHF

Notes

Notes

- Your Sony remote control can be programmed to operate your cable box. (see page 32)

- When using PIP, you cannot view the AUX input in the window picture.

Tip

Pressing ANT switches between these inputs.

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Cable box and cable

- KV-32S65, 32V65, 35S65, 35V65 only

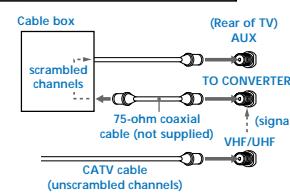
For this set up, you can switch between scrambled channels (through your cable box), and normal (CATV) channels by pressing ANT on your remote control.

Notes

- Your Sony remote control can be programmed to operate your cable box. (see page 32)

- When using PIP, you cannot view the AUX input in the window picture.

If you are connecting a cable box through the AUX input and would like to switch between the AUX and normal (CATV) input you should consider using the CHANNEL FIX feature discussed on page 26.



If you will be controlling all channel selection through your cable box, you should consider using the CHANNEL FIX feature discussed on page 26.

VCR Connections

Connecting an antenna/cable TV system with a VCR

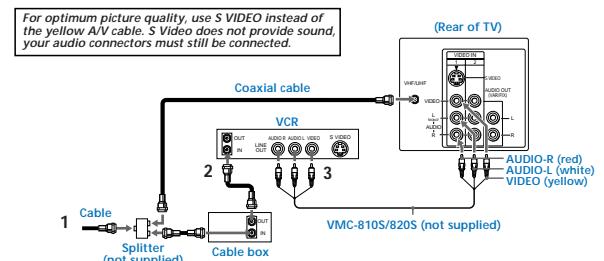
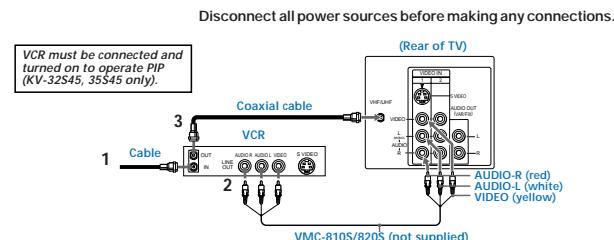
- 1 Attach the coaxial connector from your cable or antenna to IN on your VCR.
- 2 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.*
- 3 Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV.

* If you are connecting a monaural VCR, connect only the single white audio output to the left input on your TV.

Connecting a VCR and TV with a cable box

You will need a splitter (not supplied) for the following connection.

- 1 Connect the single (input) jack of the splitter to your incoming cable connection. Connect the other two (output) jacks (using coaxial cable) to IN on your cable box and VHF/UHF on your TV.
- 2 Using a coaxial connector, connect OUT on your cable box to IN on your VCR.
- 3 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.



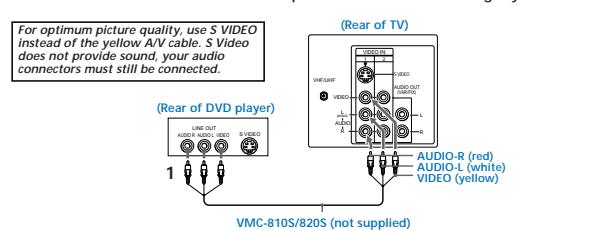
7

Additional Connections

The following connections are for accessories that will enhance your viewing options.

Connecting a DVD Player

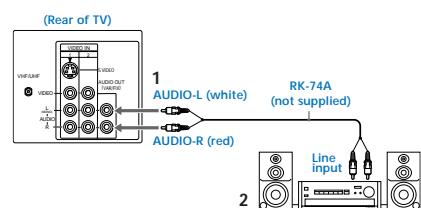
- 1 Using A/V connectors, connect LINE OUT on your DVD to VIDEO IN on your TV.



Connecting an audio system

For enhanced sound, connect your audio system to your TV.

- 1 Using AUDIO connectors, connect AUDIO OUT on your TV to one of the unused line inputs (e.g. TV, AUX, TAPE 2) on your stereo.
- 2 Set your stereo to the chosen line input. Refer to page 24 of this manual for additional audio setup instructions.



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Connecting and Installing the TV (continued)

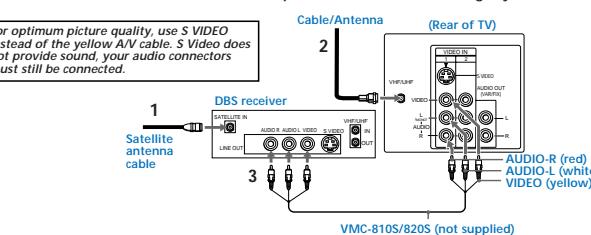
Disconnect all power sources before making any connections.

DBS Connections

Connecting a DBS (Direct Broadcast Satellite) receiver

- 1 Connect the cable from your satellite antenna to your DBS receiver.
- 2 Attach the coaxial connector from your cable or antenna to VHF/UHF on your TV.
- 3 Using A/V connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your TV.

For optimum picture quality, use S VIDEO instead of the yellow A/V cable. S Video does not provide sound, your audio connectors must still be connected.



Connecting a DBS (Direct Broadcast Satellite) receiver and a VCR

- 1 Connect the cable from your satellite antenna to your DBS receiver.
- 2 Attach the coaxial connector from your cable or antenna to VHF/UHF IN on your VCR.
- 3 Using a coaxial connector, connect VHF/UHF OUT on your VCR to VHF/UHF on your TV.
- 4 Using A/V connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your VCR.
- 5 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.

Pressing TV/VIDEO on the remote control will allow you to view from the DBS or VCR.

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Connecting and Installing the TV (continued)

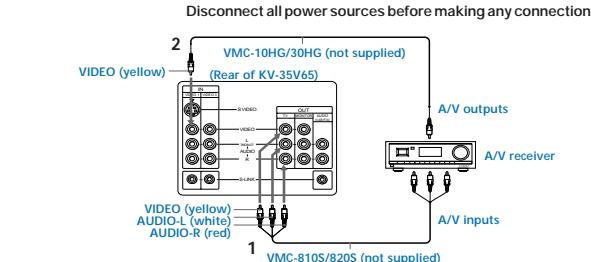
Disconnect all power sources before making any connections.

Connecting an A/V receiver

- KV-32V65, 35V65 only
- 1 Using A/V cables, connect TV OUT on your TV to IN on your A/V receiver.
- 2 Using a single video connector, connect MONITOR OUT on your A/V receiver to VIDEO 1 IN on your TV.

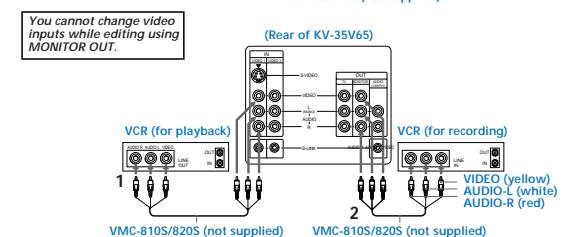
Tip

You may want to use CHANNEL FIX to set your TV's input to the A/V receiver. See page 26.



Connecting two VCRs

- KV-32V40, 32V65, 35V65 only
- MONITOR OUT gives you the ability to use a second VCR to record a program being played by the primary VCR or to perform tape editing and dubbing.
- 1 Connect the VCR intended for playback using the setup instructions on page 7 of this manual.
- 2 Using A/V connectors, connect AUDIO and VIDEO IN on your VCR intended for recording to MONITOR AUDIO and VIDEO OUT on your TV.



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Connecting a camcorder

This connection is convenient for viewing a picture directly from your camcorder.

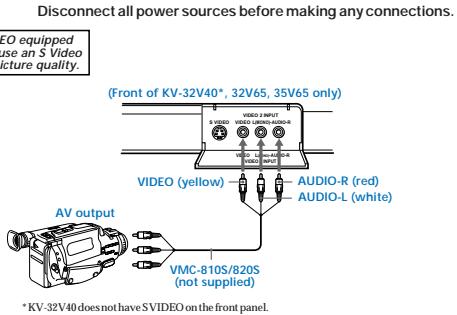
Using A/V connectors, connect AUDIO and VIDEO OUT on your camcorder to AUDIO and VIDEO IN on your TV.

Connection can also be made directly to your A/V input located on the rear of your TV.

Note

If you are connecting a monaural camcorder, connect only the single white audio output to the left input on your TV.

If you have an S VIDEO equipped camcorder, you can use an S Video cable for optimum picture quality.



* KV-32V40 does not have SVIDEO on the front panel.

Connecting and Installing the TV (continued)

S-Link connections

KV-32S65, 32V65, 35S65, 35V65 only

S-Link is designed to allow your Sony components to "communicate".

Connecting S-Link to a VCR

S-Link will automatically power on the TV and switch to the correct video input when a tape is inserted in the VCR.

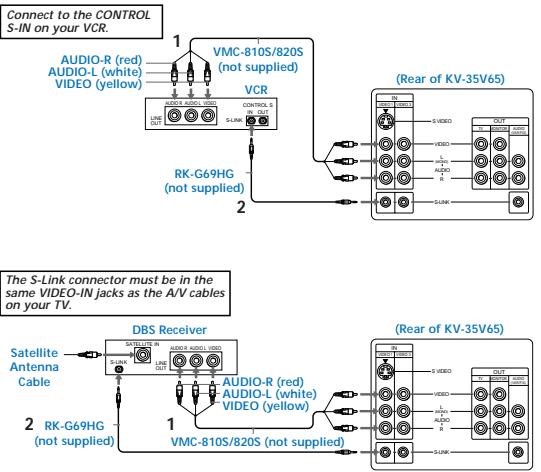
- 1 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.
- 2 Using an S-Link connector (mono mini plug), connect S-LINK/CONTROL S-IN on your VCR to S-LINK on your TV.

Connecting S-Link to a DBS

S-Link will automatically power on the TV and switch to the correct video input when you power on the DBS.

- 1 Using A/V connectors, connect AUDIO and VIDEO OUT on your DBS to AUDIO and VIDEO IN on your TV.
- 2 Using an S-Link connector (mono mini plug), connect S-LINK on your DBS to S-LINK on your TV.

Disconnect all power sources before making any connections.



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Operating Video Equipment

Programming the remote

You can use the supplied remote control to operate Sony or non-Sony video equipment.

- 1 Press CODE SET.
- 2 Press VTR/DVD (FUNCTION).
- 3 Use the 0-9 buttons to key in the manufacturer's code number from the following chart.
- 4 Press ENTER.

VCR code numbers

Manufacturer	Code
Sony	301, 302, 303
Admiral (M. Ward)	327
Aiwa	338, 344
Audio Dynamic	314, 337
Brosonic	319, 317
Canon	309, 308
Citizen	302, 332
Craig	302, 332
Criterion	315
Curtis Mathis	304, 338, 309
Daewoo	341, 312, 309
DBX	314, 336, 337
Dimensia	319, 320, 316, 317, 318, 341
Emerson	330, 335
Fisher	338
Fuji	338
General Electric	329, 304, 309
Go Video	322, 339, 340
Goldstar	306, 304, 305, 338
Hitachi	309, 308
Instant Replay	309, 308
JC Penney	309, 305, 304, 330, 314, 336, 337
JVC	314, 336, 337, 345, 346, 347
Kenwood	314, 336, 332, 337
LXI (Sears)	332, 305, 330, 335, 338
Magnavox	308, 309, 310
Marantz	314, 336, 337
Marta	332
Memorex	309, 335
Minolta	305, 304
Mitsubishi/MGA	323, 324, 325, 326
Multitech	325, 338, 321
NEC	314, 336, 337
Olympic	309, 308
Optimus	327
Panasonic	308, 309, 306, 307
Pentax	305, 304
Philco	308, 309
Philips	308, 309, 310
Pioneer	308
Quasar	308, 309, 306
RCA/PROSCAN	304, 305, 308, 309, 311, 312, 313, 310, 329
Realistic	309, 330, 328, 335, 324, 338
Sansui	314
Samsung	322, 313, 321
Sanyo	330, 335
Scosche	312, 313, 321, 335, 323, 324, 325, 326
Sharp	327, 328
Shivision	315
Signature 2000 (M. Ward)	338, 327
SV2000	338
Sylvania	308, 309, 338, 310
Symphonic	338

Operating a VCR

Buttons on the remote control

To turn on or off	Press VTR/DVD (POWER).
To select a channel directly	Press the 0-9 buttons.
To change channels	Press CH +/-.
To record	Press ► and ● simultaneously.
To play	Press ►.
To stop	Press ■.
To fast forward	Press ►►.
To rewind the tape	Press ◀◀.
To pause	Press II.
	To resume normal playback, press again or press ►.
To scan	Press ► or ◀ during playback.
	To resume normal playback, press ►.
To change input mode	Press TV/VTR.

Tips

- In some rare cases, you may not be able to operate your non-Sony video equipment with the supplied remote control. In this case, please use the equipment's own remote control.
- When you remove the batteries, the code number may revert to the factory setting.
- The code numbers for Sony VCR's are assigned at the factory as follows:

VHS VCR 301 (preset code for the supplied remote control)

8 mm VCR 302

Beta, ED Beta VCRs 303

MDP (Multi Disc Player) code numbers

Manufacturer	Code
Sony	701
Panasonic	704, 710
Pioneer	702

Operating an MDP Buttons on the remote control

To turn on or off	Press VTR/DVD (POWER).
To play	Press ►.
To stop	Press ■.
To pause	Press II.
To scan	Press ►► or ◀◀ during playback.
	To resume normal playback, press ►.
To search the chapter forward or backward	Press CH +/-.

Tip

If you will not be programming a DBS or cable box into the DBS/CABLE input, you can use it to program other video equipment (e.g. DVD, MDP, or second VCR). (see page 30)

DVD (Digital Versatile Disc) code numbers

Manufacturer	Code
Sony	751
Panasonic	753
Pioneer	752
RCA	755
Toshiba	754

Operating a DVD Buttons on the remote control

To turn on or off	Press VTR/DVD (POWER).
To play	Press ►.
To stop	Press ■.
To pause	Press II.
To scan	Press ►► or ◀◀ during playback.
	To resume normal playback, press ►.
To search the chapter forward or backward	Press CH +/-.
To select chapters directly	0-9 + ENTER.
MENU	Press to display DVD menu.
To move cursor in menu	Use your arrow buttons

■■■ *Operating a Cable Box or DBS Receiver*

Programming the remote

You can program the supplied remote control to operate a cable box or DBS receiver.

- 1 Press CODE SET.
- 2 Press DBS/CABLE (FUNCTION).
- 3 Use the 0-9 buttons to key in the manufacturer's code number from following chart.
- 4 Press ENTER.

For more details on operating the cable box or DBS receiver

Refer to the operating instructions that were supplied with the equipment.

If the remote control doesn't work

- First, try repeating the setup procedures using the other codes listed for your equipment.

Tips ☀

- If more than one code number is listed, try entering them one by one until you come to the correct code for your equipment.
- If you enter a new code number, the code number you previously entered at that setting is erased.
- In some rare cases, you may not be able to operate your equipment with the supplied remote control. In this case, use the equipment's supplied remote control.
- Whenever you remove the batteries the code number may revert to the factory setting.

Cable box code numbers

Manufacturer	Code
Hamlin/ Regal	222, 223, 224, 225, 226
Jerrold/ G. I.	201, 202, 203, 204, 205, 206 207, 208, 210
Oak	227, 228, 229
Panasonic	219, 220, 221
Pioneer	214, 216
Scientific Atlanta	209, 210, 211
Tocom	216, 217
Zenith	212, 213

DBS receiver code numbers

Manufacturer	Code
Sony	801 (preset code for remote control)
General Electric	802
Hitachi	803
Hughes	804
Panasonic	805
RCA/ PROSCAN	802, 803
Toshiba	806, 807

Troubleshooting

Consult the table below; it suggests solutions to specific problems.

Problem	What it could be	What you can do
Cannot operate single tuner PIP (KV-32S45, 35S45)	<ul style="list-style-type: none"> • VCR may not be connected to your TV properly. • VCR may not be turned on. • The remote control may not be programmed to operate the VCR. 	<ul style="list-style-type: none"> • Ensure that you have set your VCR correctly. (see page 7) • Program your remote control to operate the VCR. (see page 30)
A red light keeps flashing on the TV for more than a few seconds	<ul style="list-style-type: none"> • Your TV may need service. 	<ul style="list-style-type: none"> • Call your local Sony service center.
TV makes a noise when turned on	<ul style="list-style-type: none"> • This is a normal function of your TV. 	
Screen is not lit and there is no sound	<ul style="list-style-type: none"> • Power cord may not be plugged in. • Batteries may not have been placed with the correct polarity. • TV/VIDEO setting may be incorrect. 	<ul style="list-style-type: none"> • Press TV/VIDEO until you receive a channel.
Poor or no picture (screen lit), good sound	<ul style="list-style-type: none"> • VIDEO menu settings may not be adjusted correctly. • Antenna/cable connections may be faulty. • VIDEO LABEL inputs may be set to WEB. (This label darkens the screen for ideal WebTV viewing) 	<ul style="list-style-type: none"> • Readjust your VIDEO menu settings. (see page 22) • Check your VIDEO LABEL settings. (see page 28)
Good picture, no sound	<ul style="list-style-type: none"> • Sound may be set to MUTING. • Your TV may be set to SAP. • Speaker may not be set correctly. 	<ul style="list-style-type: none"> • Press MUTE. • Check the MTS setting in the AUDIO menu. (see page 23) • Check your SPEAKER settings. (see page 23)
No color	<ul style="list-style-type: none"> • Color settings may not be adjusted correctly. 	<ul style="list-style-type: none"> • Adjust the COLOR settings in the VIDEO menu. (see page 22)

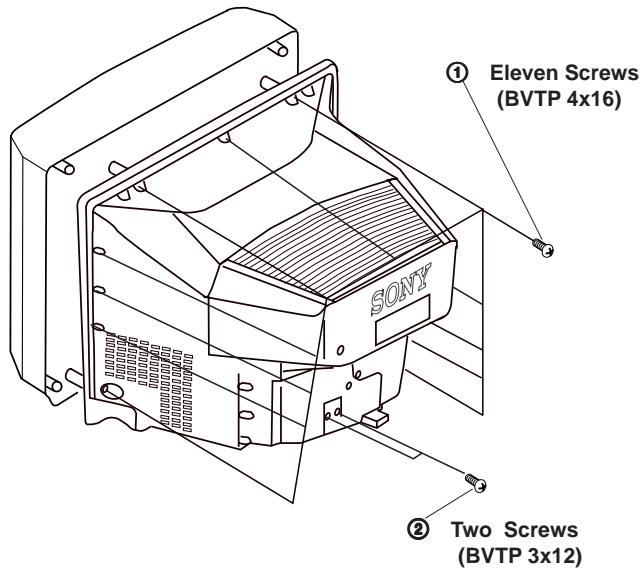
Problem	What it could be	What you can do
Only snow and noise appear on the screen	<ul style="list-style-type: none"> • CABLE may not be set correctly in the SET UP menu. • Antenna/cable connections may not be correct. • TV may be set to AUX mode. 	<ul style="list-style-type: none"> • Ensure that you have selected the correct CABLE mode in the SET UP menu. (see page 26) • Press ANT on your remote control to change the input mode. (see page 16)
Cannot receive upper channels (UHF) when using an antenna	<ul style="list-style-type: none"> • CABLE setting may not be correct in the SET UP menu. 	<ul style="list-style-type: none"> • Ensure that CABLE is set to OFF in the SET UP menu. (see page 26) • Use AUTO PROGRAM to add receivable channels that are not presently in TV memory. (see page 26)
Cannot receive any channels when using cable	<ul style="list-style-type: none"> • CABLE setting may not be set correctly in the SET UP menu. 	<ul style="list-style-type: none"> • Ensure that CABLE is set to ON in the SET UP menu. (see page 26) • Use AUTO PROGRAM to add receivable channels that are not presently in TV memory. (see page 26)
Cannot gain enough volume when using a cable box	<ul style="list-style-type: none"> • Volume may not be adjusted on your cable box. 	<ul style="list-style-type: none"> • Press TV (FUNCTION) and adjust the TV's volume.
TV is fixed to one channel	<ul style="list-style-type: none"> • CHANNEL FIX settings may not be correct. 	<ul style="list-style-type: none"> • Check your CHANNEL FIX settings. (see page 26)

If, after reading these operating instructions, you have additional questions related to the use of your Sony television, please call our Direct Response Center at 1-800-222-SONY (7669). (U.S. residents only)

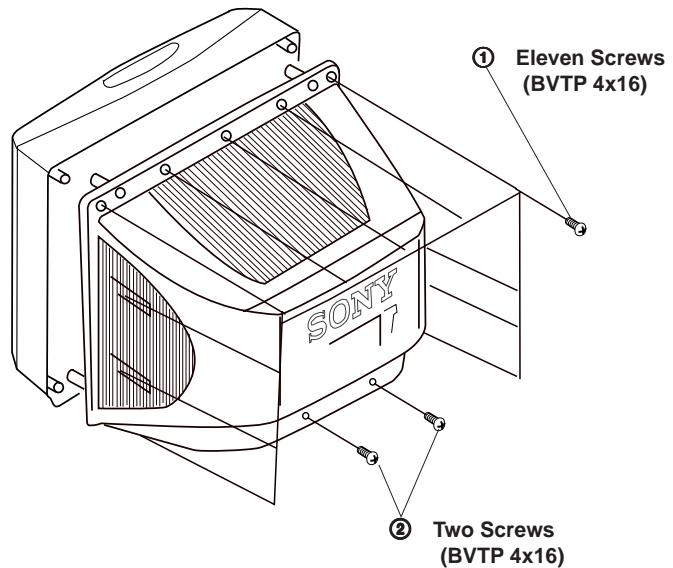
SECTION 2 DISASSEMBLY

2-1. REAR COVER REMOVAL

(KV-32S40/34SL40/34SL40C/32S45/34SL45/34SL40T/
32V40/32V65/34VL65/34VL65C)

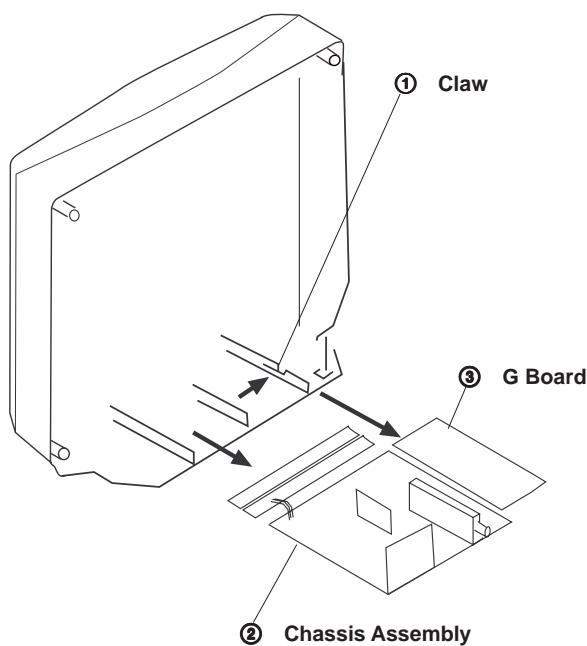


(KV-35S40/35S45/37SL45/37VL65/37VL65C)

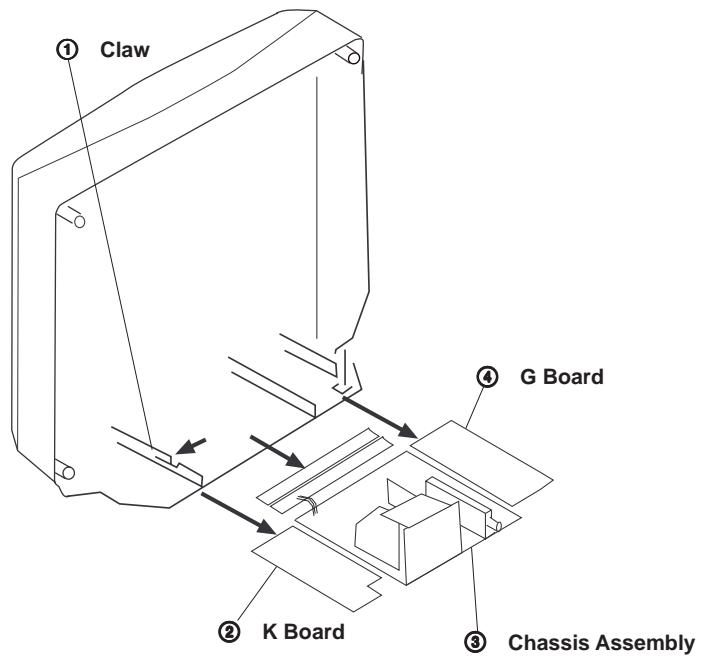


2-2. CHASSIS ASSEMBLY REMOVAL

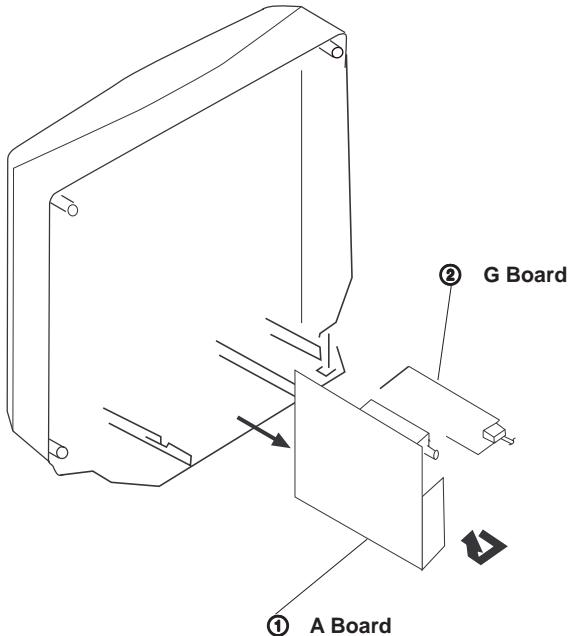
(KV-32S40/34SL40/34SL40C/32S45/
34SL45/35S40/35S45/37SL45/34SL40T)



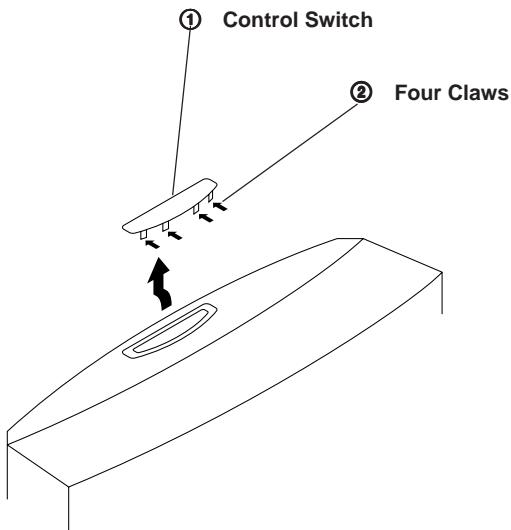
(KV-32V40/32V65/34VL65/34VL65C/35V65/
37VL65/37VL65C)



2-3. SERVICE POSITION



2-4. CONTROL SWITCH REMOVAL (KV-32V65/34VL65/34VL65C/35VL65/35VL65C/37VL65C)

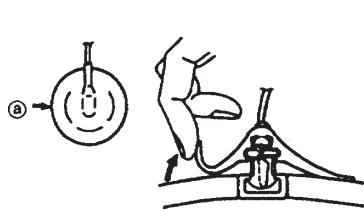


ANODE-CAP REMOVAL

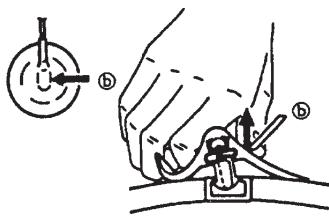
WARNING: High voltage remains in the CRT even after the power is disconnected. To avoid electrical shock, discharge CRT before attempting to remove the anode cap. Short between anode and coated earth ground strap of CRT.

NOTE: After removing the anode, short circuit the anode of the picture tube and the anode cap to either the metal chassis, CRT shield or carbon painted on the CRT.

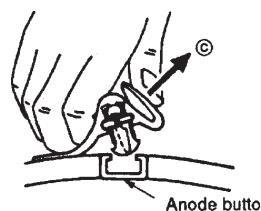
REMOVAL PROCEDURES



① Turn up one side of the rubber cap in the direction indicated by arrow (a).



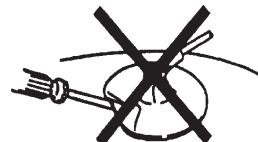
② Use your thumb to pull the rubber cap firmly in the direction indicated by arrow (b).



③ When one side of the rubber cap separates from the anode button, the anode-cap can be removed by turning the rubber cap and pulling it in the direction of arrow (c).

HOW TO HANDLE AN ANODE-CAP

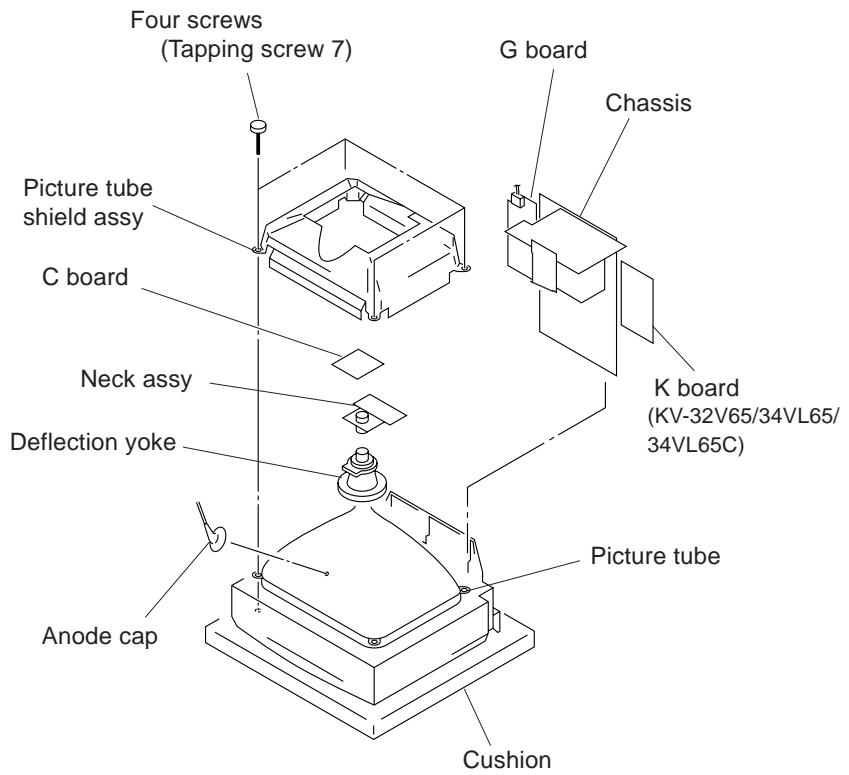
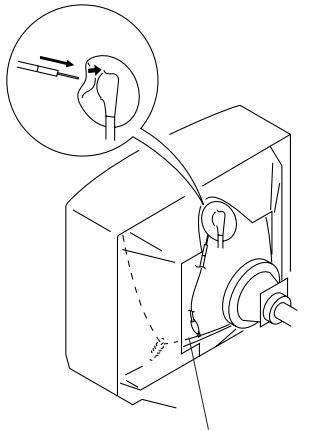
- ① Do not use sharp objects which may cause damage to the surface of the anode-cap.
- ② Do not squeeze the rubber covering too hard to avoid damaging the anode-cap. A material fitting called a shatter-hook terminal is built into the rubber.
- ③ Do not force turn the foot of the rubber cover. This may cause the shatter-hook terminal to protrude and damage the rubber.



2-5-1. PICTURE TUBE REMOVAL (KV-32S40/34SL40/34SL40C/32S45/34SL45/34SL40T/32V40/32V65/34VL65/34VL65C)**WARNING -- Before removing anode cap:**

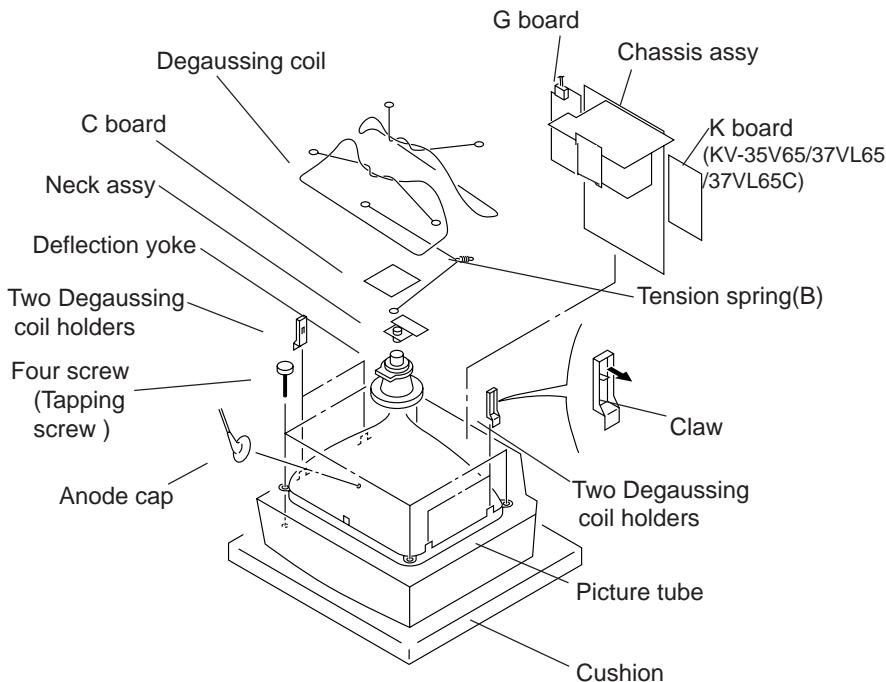
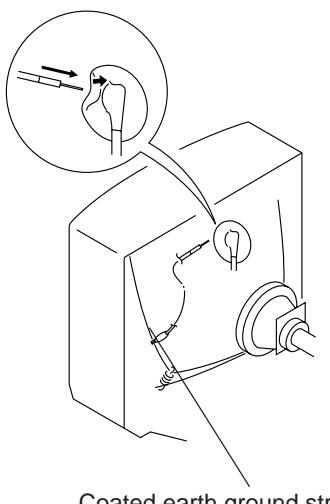
High voltage remains in the CRT even after the power is disconnected.

To avoid electrical shock, discharge CRT before attempting to remove the anode cap. Short between anode and coated earth ground strap of CRT.

**2-5-2. PICTURE TUBE REMOVAL (KV-35S40/35S45/37SL45/37VL65/37VL65C)****WARNING -- Before removing anode cap:**

High voltage remains in the CRT even after the power is disconnected.

To avoid electrical shock, discharge CRT before attempting to remove the anode cap. Short between anode and coated earth ground strap of CRT.



SECTION 3 SET-UP ADJUSTMENTS

The following adjustments should be made when a complete realignment is required or a new picture tube is installed.

These adjustments should be performed with rated power supply voltage unless otherwise noted.

The controls and switch should be set as follows unless otherwise noted:

PICTURE control normal

BRIGHTNESS control normal

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. Focus
4. Screen (G2)/White Balance

Note: Test Equipment Required

1. Color Bar Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital Multimeter

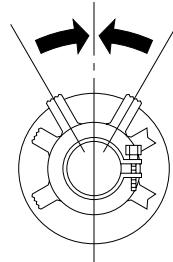
3-1. BEAM LANDING

Preparation:

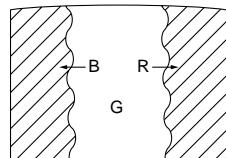
- Input a white pattern signal.
- Face the picture tube in a East or West direction to reduce the influence of geomagnetism.

NOTE: Do not use the hand degausser because it magnetizes the CRT .

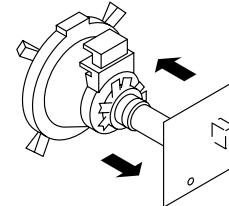
1. Input white pattern from pattern generator.
2. Loosen the deflection yoke mounting screw, and set the purity control to the center as shown below:



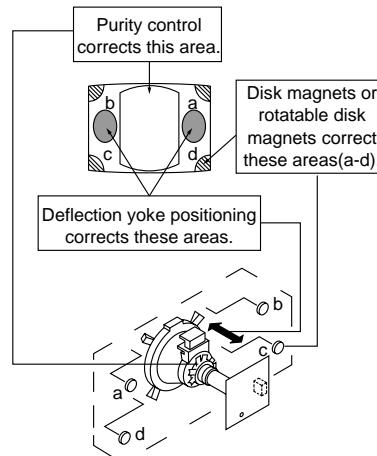
3. Input green pattern from pattern generator.
4. Move the deflection yoke backward, and adjust with the purity control so that green is in the center and red and blue are even on both sides.



5. Move the deflection yoke forward, and adjust so that the entire screen becomes green.



6. Switch over the raster signal to red and blue and confirm the condition.
7. When the position of the deflection yoke is determined, tighten it with the deflection yoke mounting screw.
8. When landing at the corner is not right, adjust by using the disk magnets.



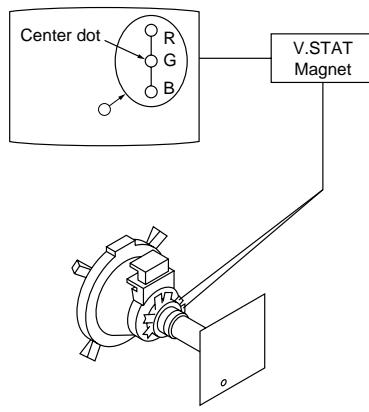
3-2. CONVERGENCE

Preparation:

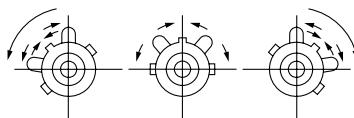
- Before starting, perform FOCUS, V. LIN and V. SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Input dot pattern.

(1) Vertical and Horizontal Static Convergence

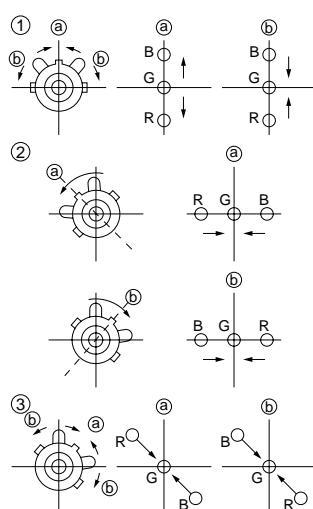
1. Adjust V. STAT magnet to converge red, green and blue dots in the center of the screen. (Vertical movement)



Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.



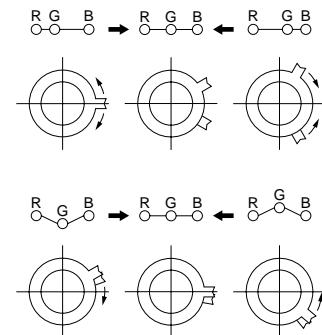
2. When the V. STAT magnet is moved in the direction of arrow ① and ②, red, green, and blue dots move as shown below:



Operation of BMC (Hexapole) Magnet

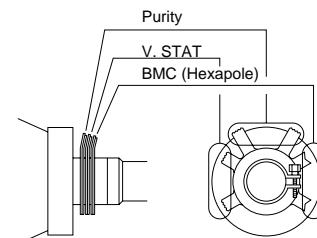
The respective dot positions resulting from moving each magnet interact, so perform adjustment while tracking.

Use the VSTAT tabs to adjust the red, green, and blue dots so they line up at the center of the screen (move the dots in a horizontal direction.)



Y Separation Axis Correction Magnet Adjustment

1. Input cross-hatch pattern, adjust PICTURE to minimum and BRIGHTNESS to normal.
2. Adjust the deflection yoke upright so it touches the CRT.
3. Adjust so that the Y separation axis correction magnet on the neck assembly is symmetrical from top to bottom (open state).

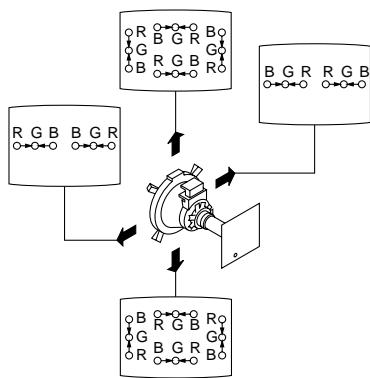


4. Return the deflection yoke to its original position.

(2) Dynamic Convergence Adjustment

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.

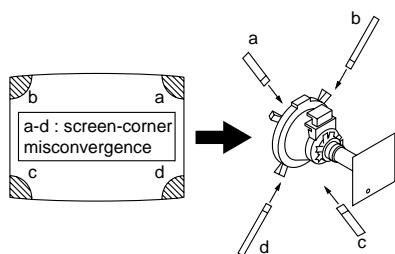
1. Slightly loosen deflection yoke screw.
2. Remove deflection yoke spacers.
3. Move the deflection yoke for best convergence as shown below:



4. Tighten the deflection yoke screw.
5. Install the deflection yoke spacers.

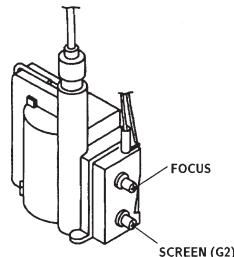
(3) Screen-corner Convergence

Affix a permalloy assembly corresponding to the misconverged areas:



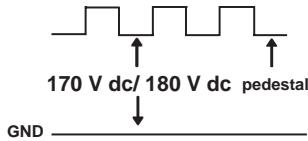
3-3. FOCUS

Adjust FOCUS control for best picture.



3-4. SCREEN (G2)

1. Input dot pattern from the pattern generator.
2. Set the PICTURE and BRIGHT controls at normal.
3. Adjust S BRT, G CUT, B CUT in service mode with an oscilloscope so that voltages on the red, green, and blue cathodes are 170Vdc for 35"/37" and 180Vdc for 32"/34".
4. Observe the screen and adjust SCREEN (G2) VR to obtain the faintly visible background of dot signal.



3-5. WHITE BALANCE ADJUSTMENTS

NO.	Disp.	Item	Avg/32"	Avg/35"
16	GDRV	Green Drive	33	45
17	BDRV	Blue Drive	33	45
18	GCUT	Green Cut-off	3	6
19	BCUT	Blue Cut-off	2	6
23	SBRT	Sub Bright	14	10

1. Input an entire white signal.
2. Set to Service adjustment Mode.
3. Set DCOL to "0"
4. Set the PICTURE and BRIGHT to minimum.
5. Adjust with SBRT if necessary.
6. Select GCUT and BCUT with **1** and **4**.
7. Adjust with **3** and **6** for the best white balance.
8. Set the PICTURE and BRIGHT to maximum.
9. Select GDRV and BDRV with **1** and **4**.
10. Adjust with **3** and **6** for the best white balance.
11. Reset DCOL to "1".
12. Write into the memory by pressing **MUTING** then **ENTER** **.

SECTION 4

SAFETY RELATED ADJUSTMENTS

█ R530, R531 CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS

Always perform the following adjustments when replacing the following components marked with a █ mark on the schematic diagram:

A BOARD: IC351, IC501, D519, D520, D521, C531, C532, R387, R529, R530, R531, R532, R533, R550, T503

G BOARD: IC643, R661

Step 1 Preparation before Confirmation

Turn the POWER switch ON.

Input a white signal and set the PICTURE and BRIGHT controls to maximum.

Confirm that the voltage at the check terminal of TP85 is more than 18.0 V DC when the set is operating normally.

At AC input: 120.0 ± 2.0 VAC

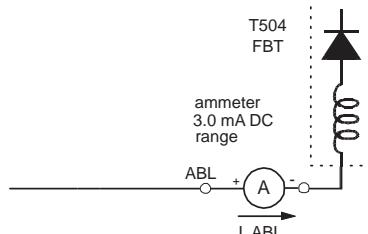
or 220.0 ± 2.0 VAC (for 34SL40C/34VL65C/37VL65C only)

Step 2

Input a white signal and verify that I_{ABL} is within the specified range: 2160 ± 100 μ A.

At AC input: 120.0 ± 2.0 VAC

or 220.0 ± 2.0 VAC (for 34SL40C/34VL65C/37VL65C only)



Step 3

Record the voltage between TP85 and ground.

Step 4

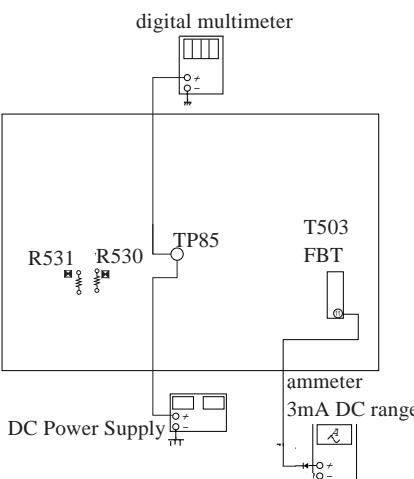
Using an external DC power supply, apply voltage between TP85 and ground.

Increase the voltage gradually and confirm that the holdown works (raster disappears) at lower than the voltage recorded in Step 3.

Lower than 22.05 V DC

At AC input: 120.0 ± 2.0 VAC

or 220.0 ± 2.0 VAC (for 34SL40C/34VL65C/37VL65C only)



Step 5

Confirm that a voltage of more than 18.0 V DC appears between TP85 and ground.

At AC input: 120.0 ± 2.0 VAC

or 220.0 ± 2.0 VAC (for 34SL40C/34VL65C/37VL65C only)

B+ VOLTAGE CONFIRMATION AND ADJUSTMENT

Always perform the following adjustments when replacing the following components marked with █ on the schematic diagram:

G BOARD: IC643, R661

- 1) Using Variac, apply AC input voltage: 130 ± 2.0 VAC (or 220.0 ± 2.0 VAC for 34SL40C/34VL65C/37VL65C only)
- 2) Input a monoscope signal.
- 3) Set the PICTURE control and the BRIGHT control to initial reset value.
- 4) Confirm the voltage of G BOARD CN641 between pin ① to ground is less than 135.5 ± 1.0 V DC.
- 5) If step 4 is not satisfied, replace the R661 and repeat the above steps.

SECTION 5 CIRCUIT ADJUSTMENTS

ELECTRICAL ADJUSTMENT BY REMOTE COMMANDER

Use Remote Commander (RM-Y167) to perform the following circuit adjustments:

NOTE : Test Equipment Required:

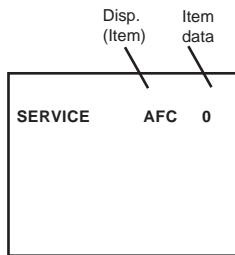
1. Pattern Generator
2. Frequency Counter
3. Digital Multimeter
4. Audio OSC

(1) Method of Setting the Service Adjustment Mode

SERVICE MODE PROCEDURE

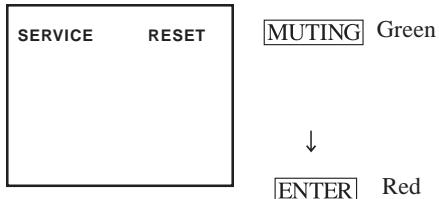
1. Standby mode. (Power off)
2. **DISPLAY** → **5** → **VOL (+)** → **POWER** on the Remote Commander.
(Press each button within a second.)

SERVICE ADJUSTMENT MODE IN

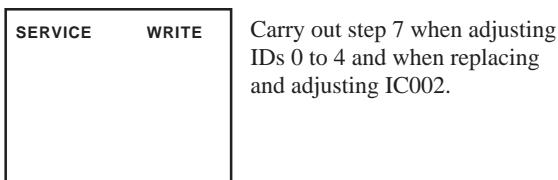


3. The CRT displays the item being adjusted.
4. Press **1** or **4** on the Remote Commander to select the item.
5. Press **3** or **6** on the Remote Commander to change the data.
6. Press **MUTING** then **ENTER** to write into memory**.

SERVICE ADJUSTMENT MODE MEMORY



7. Press **8** then **ENTER** on the Remote Commander to initialize.

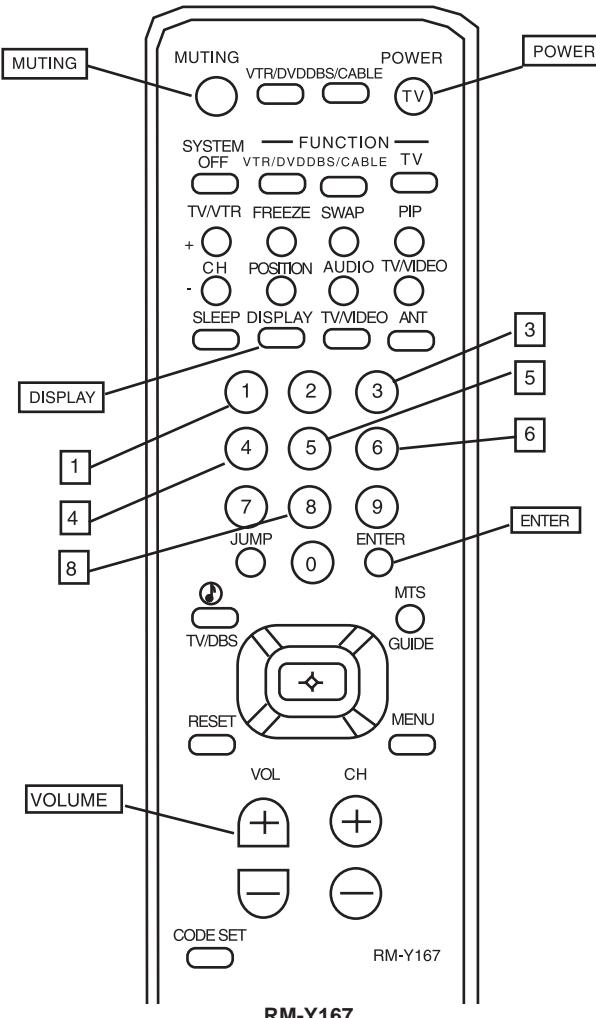


8. Turn set off and on to exit. * CAUTION: Wait at least 10 seconds before turning off set.

(2) Memory Write Confirmation Method

1. After adjustment, pull out the plug from the AC outlet, then replace the plug in the AC outlet again.
2. Turn the power switch ON and set to Service Mode.
3. Call the adjusted items again to confirm they were adjusted.

(3) Adjust Buttons and Indicator



WARNING: Do NOT turn off the power or AC immediately after pressing **MUTING then **ENTER**. Wait at least 10 seconds.

(4) Service Data

No.	Register Name	Description	Data Range	Adj/Fix	Initial Data	Average Data**		Comments	
						32"		35"	
A	B	C	D	E					
VP CXA2095S									
1	VPOS	V-Position	0-63	Adj	20	23	27	0:Down, 63:Up	
2	VSIZ	V-Size	0-63	Adj	20	27	26	0:Min, 63:Max	
3	VCOM	V-Compensation	0-3	Fix	1	1	1	0:Min, 3:Max	
4	VLIN	V-Linearity	0-15	Adj	7	9	9	0:Min, 15:Max	
5	VSCO	S-Correction	0-15	Adj	7	6	9	0:Min, 15:Max	
6	HPOS	H-Position	0-15	Adj	7	11	10	0:Right, 15:Left	
7	HSIZ	H-Size	0-63	Adj	20	23	28	0:Min, 63:Max	
8	PAMP	Pin Compensation	0-63	Adj	31	27	24	0:Min, 63:Max	
9	UPIN	Upper Corner Pin	0-15	Adj	7	4	7	0:Min, 15:Max	
10	LPIN	Lower Corner Pin	0-15	Adj	7	6	10	0:Min, 15:Max	
11	PPHA	Pin Phase	0-15	Adj	7	4	5	0:Min(small picture), 15:Max	
12	AFC	AFC	0-3	Fix	2	2	2	0:Freerun, 1:Min, 3:Max	
13	VBOW	AFC Bow	0-15	Adj	7	6	5	0:Right, 15:Left	
14	VANG	AFC Angle	0-15	Adj	7	6	4	0:Right, 15:Left	
15	REF	Reference Line	0-3	Fix	2	2	2	0:22H(Rch), 3:16H(Rch)	
16	GDRV	Green Drive	0-63	Adj	31	22	35	0:Min, 63:Max	
17	BDRV	Blue Drive	0-63	Adj	31	30	26	0:Min, 63:Max	
18	GCUT	Green Cutoff	0-15	Adj	7	5	8	0:Min, 15:Max	
19	BCUT	Blue Cutoff	0-15	Adj	7	7	6	0:Min, 15:Max	
20	SCON	Sub Contrast	0-15	Adj	7	10	8	0:Min, 15:Max	
21	SHUE	Sub Hue (RF only)	0-15	Adj	7	7 (flat-1)	8 (flat-1)	0:+10deg, 15:-10deg	
22	1SHU	Sub Hue (composite & S-video)	0-15	Adj	7	7	7	0:+10deg, 15:-10deg	
23	SCOL	Sub Color (RF only)	0-15	Adj	7	11 (flat+2)	9 (flat+2)	0:Min, 15:Max	
24	1SCO	Sub Color (composite & S-video)	0-15	Adj	7	14	13	0:Min, 15:Max	
25	SBRT	Sub Brightness	0-63	Adj	31	26	26	0:Min, 63:Max	
26	SSHP	Sub Sharpness (RF & Composite video)	0-15	Fix by model	7	8	8	0:Min, 15:Max	
27	1SSP	Sub Sharpness (S-video only)	0-15	Fix by model	7	10	10	0:Min, 15:Max	
28	GMMA	Gamma Correction	0-3	Fix by model	1	0	0	0:Off, 1:Min, 3:Max	
29	CDM2	Countdown Mode 2	0-1	Fix	0	0	0	0: Normal 1: High Speed Countdown Response	
30	EYSW	External Y Switch	0-1	Fix	0	0	0	0: Normal 1: EYin disabled	
31	DPIX	Dynamic Picture	0,1	Fix	1	1	1	0:Off, 1:On	
32	Y-DC	DC Transmission Ratio	0,1	Fix	1	1	1	0:100%, 1:82%	
33	ABLM	ABL Mode	0,1	Fix	1	1	1	0:PictureABL, 1:Picture/BrightnessABL	
34	AXIS	Color Demodulation Axis	0,1	Fix	1	1	1	0:Japan, 1:US	
35	NOTC	Chroma Trap Filter	0,1	Fix	0	0	0	0:Off, 1:On	
36	CROM	Chroma Trap Adjust	0-15	Fix	7	7	7	0:+300kHz, 1:-300kHz	
37	TOT	TOT Filter (RF only)	0,1	Fix	1	1	1	0:Off, 1:On	
38	1TOT	TOT Filter (Composite & S-video)	0,1	Fix	1	0	0	0:Off, 1:On	
39	PREL	Pre/Overshoot Ratio (RF & Composite)	0-3	Fix by model	3	1	1	0: 2:1, 3: 5:1	
40	1PRE	Pre/Overshoot Ratio (S-video only)	0-3	Fix by model	3	3	3	0: 2:1, 3: 5:1	
41	SHPF	Sharpness fo (RF & Composite)	0-3	Fix by model	2	1	1	0:2.5MHz, 3:4.0MHz	
42	1SPF	Sharpness fo (S-video only)	0-3	Fix by model	2	3	3	0:2.5MHz, 3:4.0MHz	
43	RON	Red Off	0,1	Fix	1	1	1	0:Off, 1:On	
44	GON	Green Off	0,1	Fix	1	1	1	0:Off, 1:On	
45	BON	Blue Off	0,1	Fix	1	1	1	0:Off, 1:On	
46	DCOL	Dynamic Color	0,1	Fix	0	1	1	0:Off, 1:On	
47	CDMD	V Countdown Mode	0,1	Fix	0	0	0	0:Auto, 1:Fix	
48	HBSW	H Blanking Switch	0,1	Fix	0	0	0	0:Off, 1:On	
49	LBLK	Left Blanking	0-15	Fix	0	7	7	0:Min, 15:Max	
50	RBLK	Right Blanking	0-15	Fix	0	7	7	0:Min, 15:Max	
AP CXA2021									
51	SVOL	Sub Volume	0-15	Fix	0	6	6	0:-0 Volume steps, 15:-15 Volume steps	
52	SBAL	Sub Balance	0-15	Adj	7	7	7	0: +Right, 15:+Left	
53	SBAS	Sub Bass	0-15	Fix by model	7	10	8	0:-7 Steps, 15: +8 steps	
54	STRE	Sub Treble	0-15	Fix by model	7	7	10	0:-7 Steps, 15: +8 steps	
MM1311/1313									
55	AUSW	Audio Att Sw	0,1	Fix	1	1	1	0:-6dB, 1:0dB (Only for VIDEO input)	

**AVERAGE DATA MODEL GROUPINGS:

32"/34" A: KV-32S40/32S45/34SL40/34SL40C/34SL40T/34SL45 B: KV-32V40 C: KV-32V65/32VL65/34VL65C	35"/37" D: KV-35S40/35S45/37SL45 E: KV-35V65/37VL65/37VL65C
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Service Data (cont.)

No.	Register Name	Description	Data Range	Adj/Fix	Initial Data	Average Data**		Comments		
						32"				
						35"	A	B	C	D
PI SDA9288										
56	PYSD	Select Delay	0-15	Fix by P-bd	3	3	0:Right, 15:Left			
57	PIPH	PIP H-position	0-127	Fix	78	78	0:Right, 127:Left			
58	PIPV	PIP V-position	0-63	Fix	18	18	0:Up, 63:Down			
59	PYDL	PIP Y-delay	0-7	Fix	0	0	0:Right, 7:Left			
60	PHDL	H-pulse delay	0-15	Fix by P-bd	3	0	0:Right, 15:Left			
61	PMVD	Main V-pulse delay	0-31	Fix	16	16	7-21: Available (1-6/22-31 Not Avail)			
62	PIVD	Inset V-pulse delay	0-31	Fix	22	22	16-28 Available (1-15/29-31 Not Avail)			
63	PCON	Inset Contrast	0-15	Fix	7	7	0:Min, 15:Max			
64	FRMY	Frame Y	0-15	Fix	7	7	0:Dark, 15:Bright			
65	CHRI	Input Polarity	0,1	Fix by P-bd	1	1	0:+(B-Y)+(R-Y), 1:-(B-Y)-(R-Y)			
66	CHRO	Output Polarity	0,1	Fix	1	1	0:+(B-Y)+(R-Y), 1:-(B-Y)-(R-Y)			
67	IPER	Inset Pedestal R-Y	0-15	Fix	0	0	0:Center, 7:Max, 8:Min			
68	IPEB	Inset Pedestal B-Y	0-15	Fix	0	0	0:Center, 7:Max, 8:Min			
69	PCPS	CLPS Bit Control	0,1	Fix	0	0	0:Depend on HSIDEL, 1:Not depend			
70	PCPF	CLPFIIX Bit Control	0,1	Fix	0	0	0: 3Clamp line, 1: 2Clamp line			
71	PSEL	SELDOWN Bit Control	0,1	Fix by P-bd	1	1	0:Open out, 1:TTL out			
72	PPLL	PLL Filter Bits	0-3	Fix	0	0	Fixed value only			
73	PVNR	VSPISQ VSP NR	0-1	Fix	0	1	SDA9288 IC bypass use 1			
IC CXA2019										
74	ISCO	CDec Sub Contrast	0-15	Fix	7	15	PiP sub contrast			
75	ISHP	CDec Sharpness	0-15	Fix	7	8	PiP sharpness			
76	ISCL	CDec Sub Color	0-15	Fix	7	9	PiP sub color			
77	ISHU	CDec Sub Hue	0-15	Fix	7	6	PiP sub hue			
78	ITOT	CDec TOT on	0,1	Fix	0	1	PiP TOT 0:Off, 1:On			
79	IAFC	CDec AFC	0-3	Fix	2	2	0:Max, 2:Min, 3:Freerun			
80	ICD2	CDec Countdown Mode2	0,1	Fix	0	0	0:Standard, 1:Fast			
81	YDR	CDec Y drive	0-31	Fix	15	7	PiP Y-drive gain			
82	IVPE	CDec V pedestal	0-15	Fix	7	6	PiP V-ped DC			
83	IUPE	CDec U pedestal	0-15	Fix	7	6	PiP U-ped DC			
84	IRVP	CDec RV pedestal	0-15	Fix	7	6	PiP V-ped DC (re-input)			
85	IRUP	CDec RU pedestal	0-15	Fix	7	6	PiP U-ped DC (re-input)			
86	IDCT	CDec DC transfer	0-7	Fix	2	0	PiP DC transfer 0:Max, 7:Min			
87	IRYD	CDec RY drive	0-31	Fix	15	20	PiP RY Drive (re-input)			
88	IABO	CDec ABL off	0,1	Fix	1	1	PiP ABL (RY-OUT) 0:On, 1:Off			
89	IPRE	CDec Pre/Over shoot	0-3	Fix	3	3	PiP Pre/over shoot 0: 1:1, 1: 4:1			
90	IRUD	CDec RU Drive	0-31	Fix	15	20	PiP RU-gain out 0:-6dB, 31:+3.3dB			
91	IABL	CDec ABL	0,1	Fix	1	1	PiP ABL gain 0:Std, 1:Min			
92	IABC	CDec ABL Cent	0-3	Fix	1	1	PiP ABL Center 0:Min, 1:Max			
93	IRVD	CDec RV drive	0-31	Fix	15	17	PiP RY Drive (re-input)			
94	IDLY	CDec Delay	0-3	Fix	0	0	PiP Y-delay 0:0ns, 1:60ns, 2:120ns, 3:180ns			
95	ISCR	CDec SCP BGR	0-3	Fix	0	0	PiP SCP riseup phase 0:+0.4us, 1:cent, 2:-0.8us			
96	ISCF	CDec SCP BGF	0-3	Fix	0	0	PiP SCP falldown phase 0:+0.4us, 1:cent, 2:-0.8us			
CC CXP8584a-011s										
97	CRIL	CC CRI count low	0-15	Fix	2	2	7 Clock Run-In Lower Limit (field 1)			
98	CFLD	CC Caption Fixed Field Count		Fix	5	5	Fixed value only			
99	CCDI	CC CCD int	0-7	Fix	3	3	Fixed value only			
100	CRIP	CC CRI & polarity	0-7	Fix	4	4	Fixed value only			
101	CRIT	CC CRI time constant	0-3	Fix	1	1	Fixed value only			
102	CSB1	CC Sync Slice Bias 1	0-3	Fix	3	3	Fixed value only			
103	CSB2	CC Sync Slice Bias 2	0-7	Fix	4	4	Fixed value only			
104	CREP	CC CRI signal end position	0-255	Fix	142	142	Fixed value only			
105	CDSD	CC Data start delay	0-31	Fix	8	8	Fixed value only			
106	CCDS	CC Caption data threshold	0-31	Fix	9	9	Fixed value only			
107	CHMK	CC P8_HMASK	0-63	Fix	42	42	Hmask			
108	CHSY	CC P8_HSYC	0-255	Fix	136	136	Hsync			
109	DISP	TV OSD H Position	0-63	Adj	1	23	0:Off, 1:Left, 63: Right			
110	RTCO	Rotation Coil	0-63	Fix	32	32	Fixed value only			

**AVERAGE DATA MODEL GROUPINGS:

32"/34" A: KV-32S40/32S45/34SL40/34SL40C/34SL40T/34SL45 B: KV-32V40 C: KV-32V65/32VL65/34VL65C	35"/37" D: KV-35S40/35S45/37SL45 E: KV-35V65/37VL65/37VL65C
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Service Data (cont.)

No.	Register Name	Description	Data Range	Adj/Fix	Initial Data	Average Data**		Comments
						32"	35"	
ID MAP								
111	ID-0	ID-0 (Language/Color Systems)	0-255	Fix by model	89			See ID map
112	ID-1	ID-1 (Input/Output Configuration)	0-255	Fix by model	55			See ID map
113	ID-2	ID-2 (Audio)	0-255	Fix by model	175			See ID map
114	ID-3	ID-3 (OSD/Timer/V-chip/Ch Fix)	0-255	Fix by model	0			See ID map
115	ID-4	ID-4 (CC/Spot Killer/etc)	0-255	Fix by model	155			See ID map
116	ID-5	ID-5 (V-series Features/etc)	0-255	Fix by model	141			See ID map
117	ID-6	ID-6 (PiP/Ant Sw related)	0-255	Fix by model	6			See ID map
118	ID-7	ID-7 (Special Models/etc)	0-255	Fix by model	0			See ID map

****AVERAGE DATA MODEL GROUPINGS:**

32"/34" A: KV-32S40/32S45/34SL40/34SL40C/34SL40T/34SL45
 B: KV-32V40
 C: KV-32V65/32VL65/34VL65C

35"/37" D: KV-35S40/35S45/37SL45
 E: KV-35V65/37VL65/37VL65C

refer to
NVM ID Chart

SERVICE ID0 25

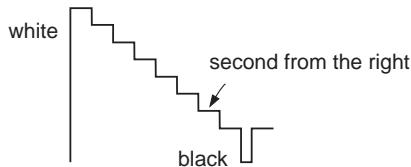
Note: Items 1-118 show adjustment order

(5) Feature ID Map

	KV-	DESTINATION	ID-0	ID-1	ID-2	ID-3	ID-4	ID-5	ID-6	ID-7
1	32S40	(US/CND)	89	17	31	10	27	129	0	0
2	32S45	(US/CND)	89	21	31	10	27	129	1	0
3	32V40	(US/CND)	89	23	175	10	27	129	0	0
4	32V65	(CND)	89	55	175	10	27	141	6	0
6	35S40	(US/CND)	89	21	31	10	155	129	6	0
7	35S45	(US/CND)	89	21	31	10	155	129	1	0
8	35V65	(CND)	89	55	175	10	155	141	6	0
9	34SL40C	(E)	25	17	159	74	59	129	0	0
10	34VL65C	(E)	25	55	175	74	59	141	6	0
11	37VL65C	(E)	25	55	175	74	187	141	6	0
12	34SL40	(E)	25	17	159	74	59	129	0	0
13	34SL45	(E)	25	21	159	74	59	129	1	0
14	34VL65	(E)	25	55	175	74	59	141	6	0
15	37SL45	(E)	25	21	159	74	187	129	1	0
16	37VL65	(E)	25	55	175	74	187	14	6	0
17	34SL40T	(TAIWAN)	9	17	159	10	27	129	0	0

SUB BRIGHT ADJUSTMENT (SBRT)

1. Set to Service adjustment Mode.
2. Input a gray scale pattern signal.
3. Set the PICTURE to minimum, and BRIGHT to normal.
4. Select SBRT with **1** and **4**.
5. Adjust SUB BRIGHT level with **3** and **6** so that the stripe second from the right is faintly visible.
6. Write into the memory by pressing **MUTING** then **ENTER****.

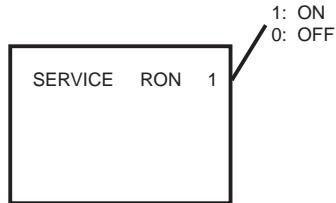


SUB CONTRAST ADJUSTMENT (SCON)

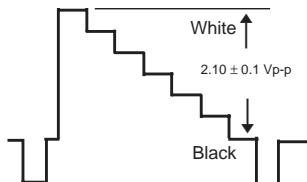
1. Input a color-bar signal.
2. Set to Service adjustment Mode.
3. Select the item DCOL to "0" level.
4. Set the conditions as follows.

PICTURE MAX
COLOR MIN
BRIGHT CENTER

R ON ON (1)
G ON OFF (0)
B ON OFF (0)



5. Connect an oscilloscope probe to C Board, CN1761 pin ① (RED OUT).
6. Select SCON with **1** and **4**.
7. Adjust with **3** and **6** for: 2.10 ± 0.01 Vp-p.



8. Reset the item DCOL to "1" level.
9. Write the memory by pressing **MUTING** then **ENTER****.

10. Return the following back to normal after adjustment.

PICTURE MAX
COLOR CENTER
BRIGHT CENTER

R ON ON (1)
G ON ON (1)
B ON ON (1)

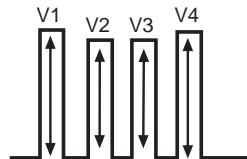
DISPLAY POSITION ADJUSTMENT (DISP)

1. Input a color-bar signal.
2. Set to Service adjustment Mode.
3. Select DISP with **1** and **4**.
4. Adjust with **3** and **6** for adjustment of characters to center.
5. Write the memory by pressing **MUTING** then **ENTER****.



SUB HUE, SUB COLOR ADJUSTMENT (SHUE, SCOL)

1. Input a color-bar signal.
2. Set to Service adjustment Mode.
3. Connect oscilloscope probe to C Board, CN1761 Pin③ (BLUE OUT).
4. Select SHUE and SCOL with **1** and **4**.
5. Adjust with **3** and **6** for the $V1 = V4 \pm 0.1$ Vp-p (SCOL) and $V2 = V3 \pm 0.1$ Vp-p (SHUE).



6. Change data according to the following table;

	SCOL	SHUE
32"	+2 steps	-1 steps
35"	+2 steps	-1 steps

7. Write into the memory by pressing **MUTING** then **ENTER****.

WARNING: Do NOT turn off the power or AC immediately after pressing **MUTING then **ENTER**. Wait at least 10 seconds.

V. SIZE ADJUSTMENT (VSIZ)

1. Input a cross-hatch signal.
2. Set to Service adjustment mode.
3. Select VSIZ with **1** and **4**.
4. Adjust with **3** and **6** for the best vertical size.
5. Write into the memory by pressing **MUTING** then **ENTER****.

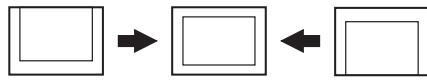
V. SIZE



V. POSITION ADJUSTMENT (VPOS)

1. Input a cross-hatch signal.
2. Set to Service adjustment Mode.
3. Select VPOS with **1** and **4**.
4. Adjust with **3** and **6** for the best vertical center.
5. Write into the memory by pressing **MUTING** then **ENTER****.

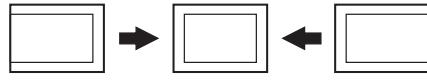
V. POSITION



H. POSITION ADJUSTMENT (HPOS)

1. Input a cross-hatch signal.
2. Set the Service adjustment Mode.
3. Select HPOS with **1** and **4**.
4. Adjust with **3** and **6** for the best horizontal center.
5. Write into the memory by pressing **MUTING** then **ENTER****.

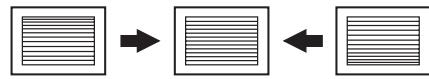
H. POSITION



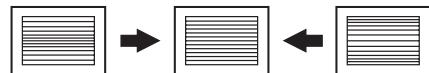
V LINEARITY (VLIN), V CORRECTION (VSCO), PIN AMP (PAMP) AND PIN PHASE (PPHA) ADJUSTMENTS

1. Input a cross-hatch signal.
2. Set to Service adjustment Mode.
3. Select VLIN, VSCO, PAMP, and PPHA with **1** and **4**.
4. Adjust with **3** and **6** for the best picture.
5. Write the memory by Pressing **MUTING** then **ENTER****.

V LINEARITY(VLIN)



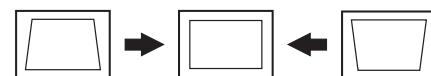
VS CORRECTION (VSCO)



PIN AMP (PAMP)



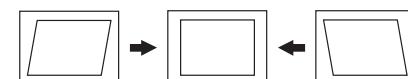
PIN PHASE (PPHA)



V ANGLE (VANG), V BOW (VBOW), UPPER PIN (UPIN) AND LOW PIN (LPIN) ADJUSTMENTS

1. Input a cross hatch signal.
2. Set to Service adjustment Mode.
3. Select VVANG, VBOW, UPIN, and LPIN with **1** and **4**.
4. Adjust with **3** and **6** for the best picture.
5. Write the memory by Pressing **MUTING** then **ENTER****.

V ANGLE (VANG)



V BOW (VBOW)



UPPER PIN (UPIN)



LOW PIN (LPIN)



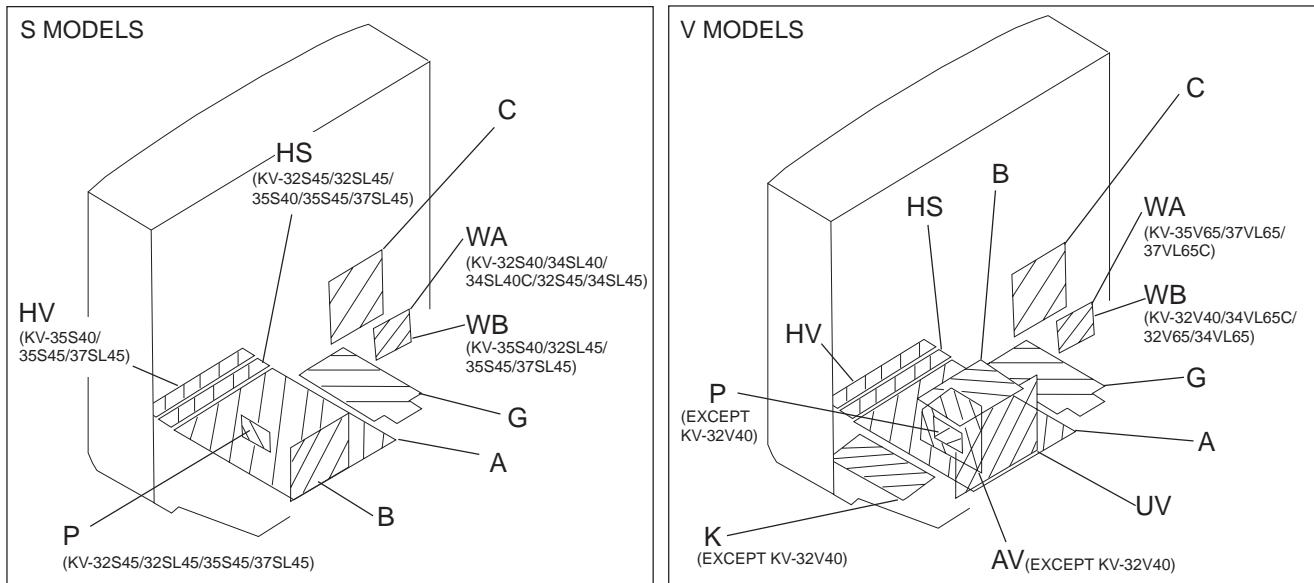
P BOARD ADJUSTMENTS

PIP V. POSITION (PIPV), PIP H. POSITION (PIPH)

1. Input a color bar signal.
2. Set to service adjustment mode.
3. Select PHOP with **1** and **4**.
4. Adjust with **3** and **6** for the best balanced position at four corner P in P display position.
5. Adjust P in P put at lower right position.
6. Write the memory by Pressing **MUTING** then **ENTER****.

WARNING: Do NOT turn off the power or AC immediately after pressing **MUTING then **ENTER**. Wait at least 10 seconds.

6-3. CIRCUIT BOARDS LOCATION



6-4. PRINTED WRING BOARDS AND SCHEMATIC DIAGRAMS

- All capacitors are in μF unless otherwise noted. $\text{pF} : \mu\text{F}$ 50WV or less are not indicated except for electrolytics and tantalums.
- All electrolytics are in 50V unless otherwise specified.
- All resistors are in ohms. $\text{K}\Omega=1000\Omega$, $\text{M}\Omega=1000\text{k}\Omega$
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5mm
Rating electrical power : $1/4 \text{ W}$
- $1/4 \text{ W}$ in resistance, $1/10 \text{ W}$ and $1/8 \text{ W}$ in chip resistance.
-  : nonflammable resistor.
-  : fusible resistor.
- \triangle : internal component.
-  : panel designation and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by  in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by  and repeat the adjustment until the specified value is achieved. (Refer to R530 and R531 adjustment on Page 15.)
- When replacing the part in below table, be sure to perform the related adjustment.
- Readings are taken with a color-bar signal input.
- Readings are taken with a $10\text{M}\Omega$ digital multimeter.
- Voltages are DC with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.

Part replaced()	Adjustment()
IC351,IC501,D519,D520,D521 C531,C532,R387,R529,R530,R531, R532,R533,R550,T503.....A BOARD IC643,R661.....G BOARD	R530,R531

- All voltages are in V.
- S : Measurement impossibility.
-  : B+line.
-  : B-line.
(Actual measured value may be different).
-  : signal path. (RF)
- Circle numbers are waveform references.

Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RW	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: 	ADJUSTMENT RESISTOR
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE

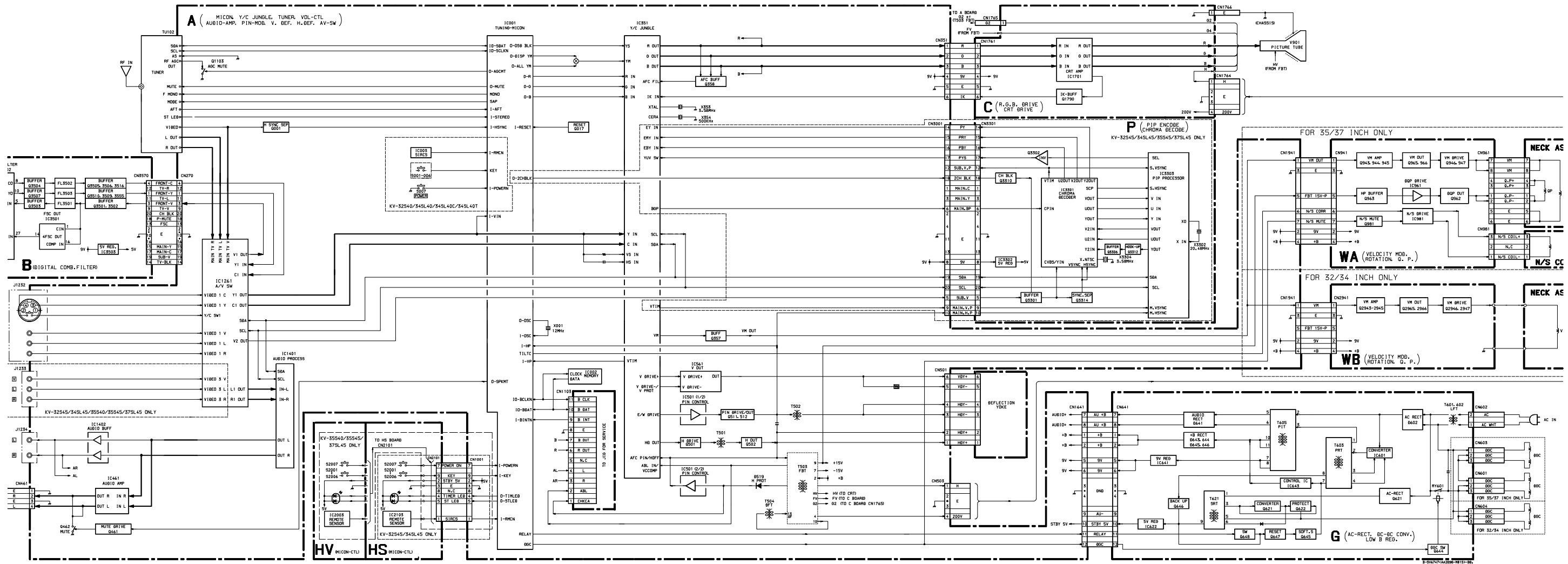
The symbol  display is on the component side.

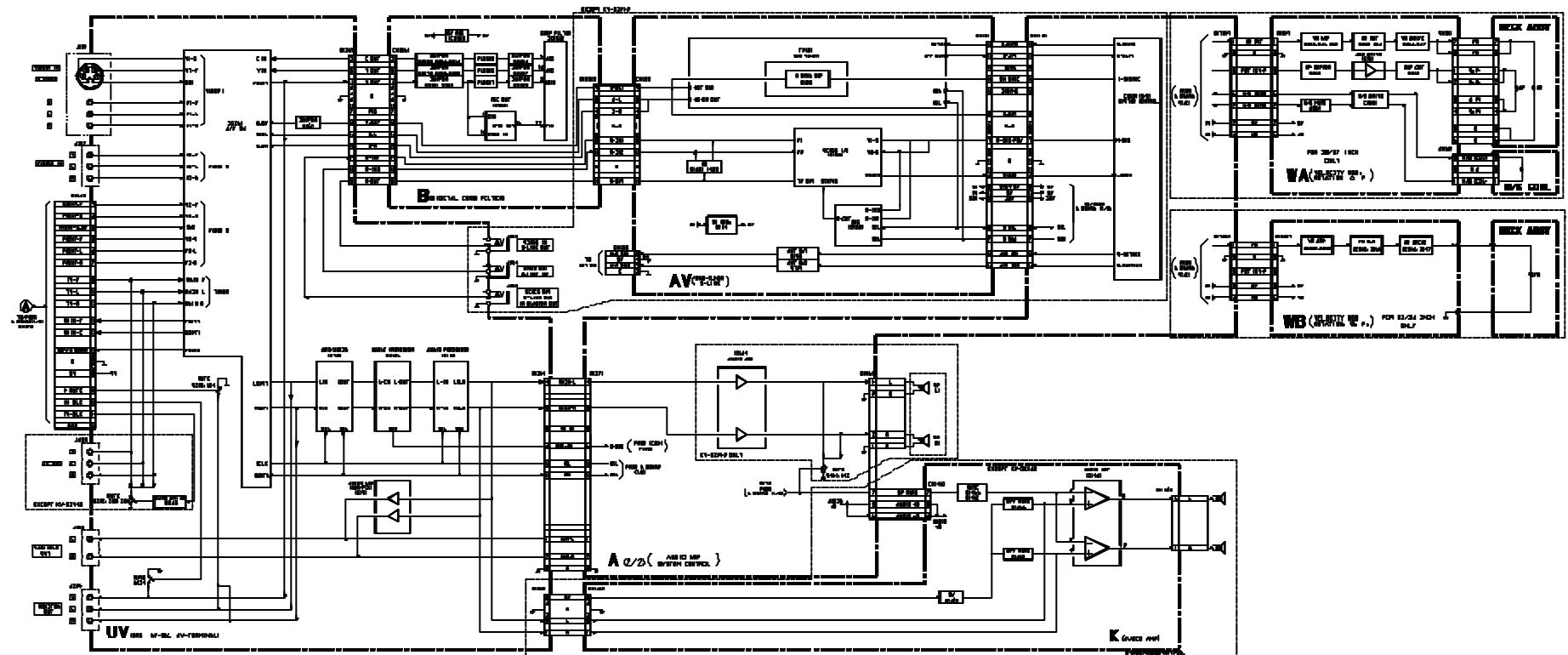
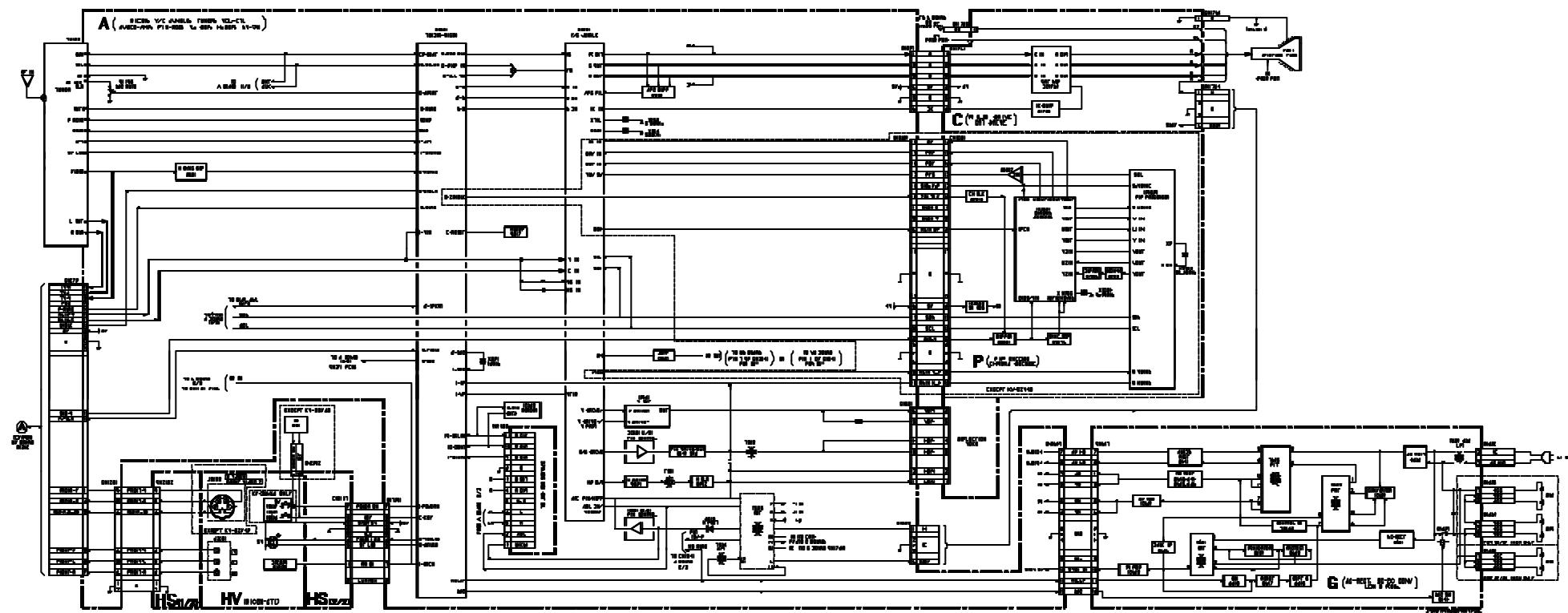
The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

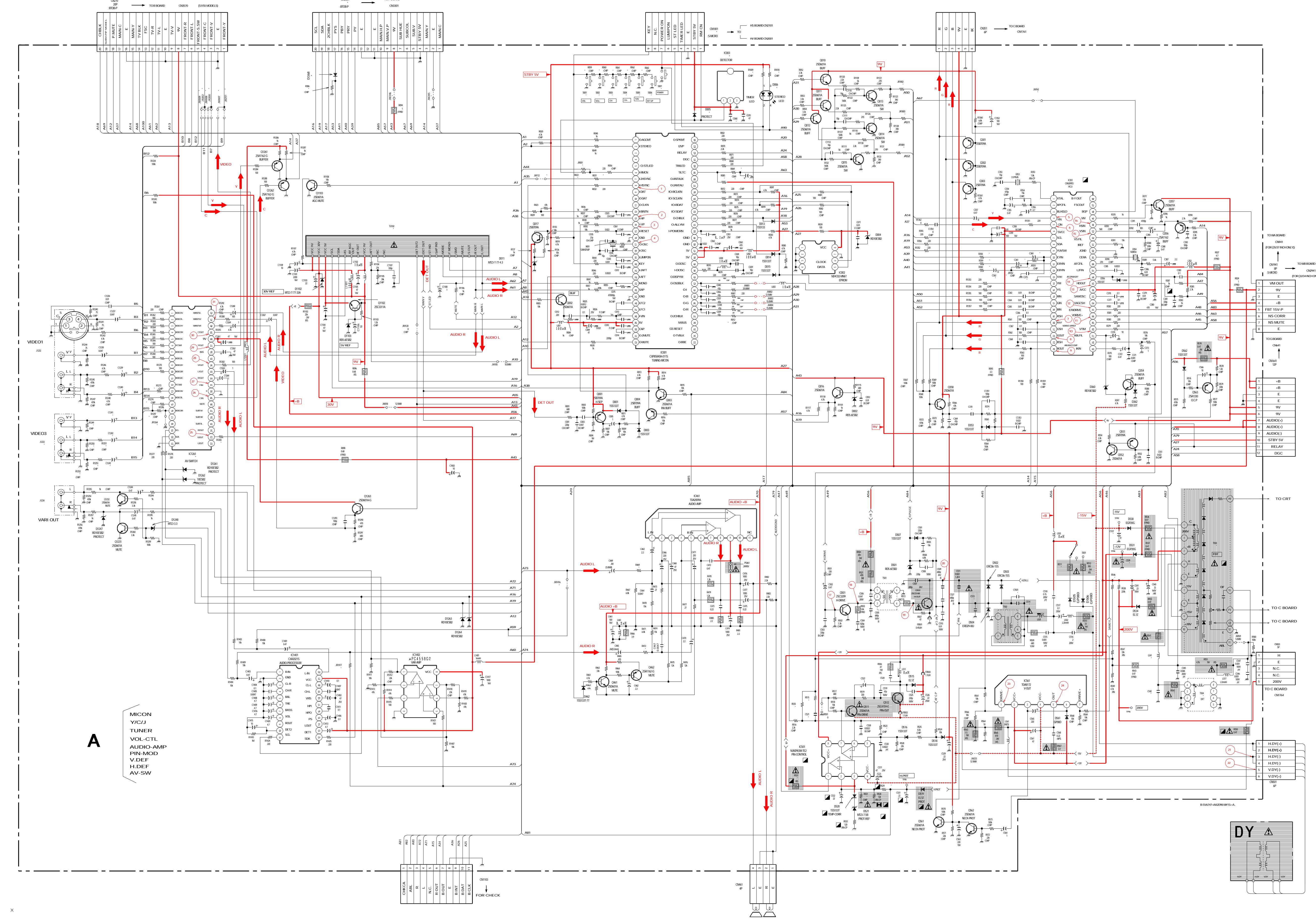
The symbol  indicate fast operating fuse. Replace only with fuse of same rating as marked.

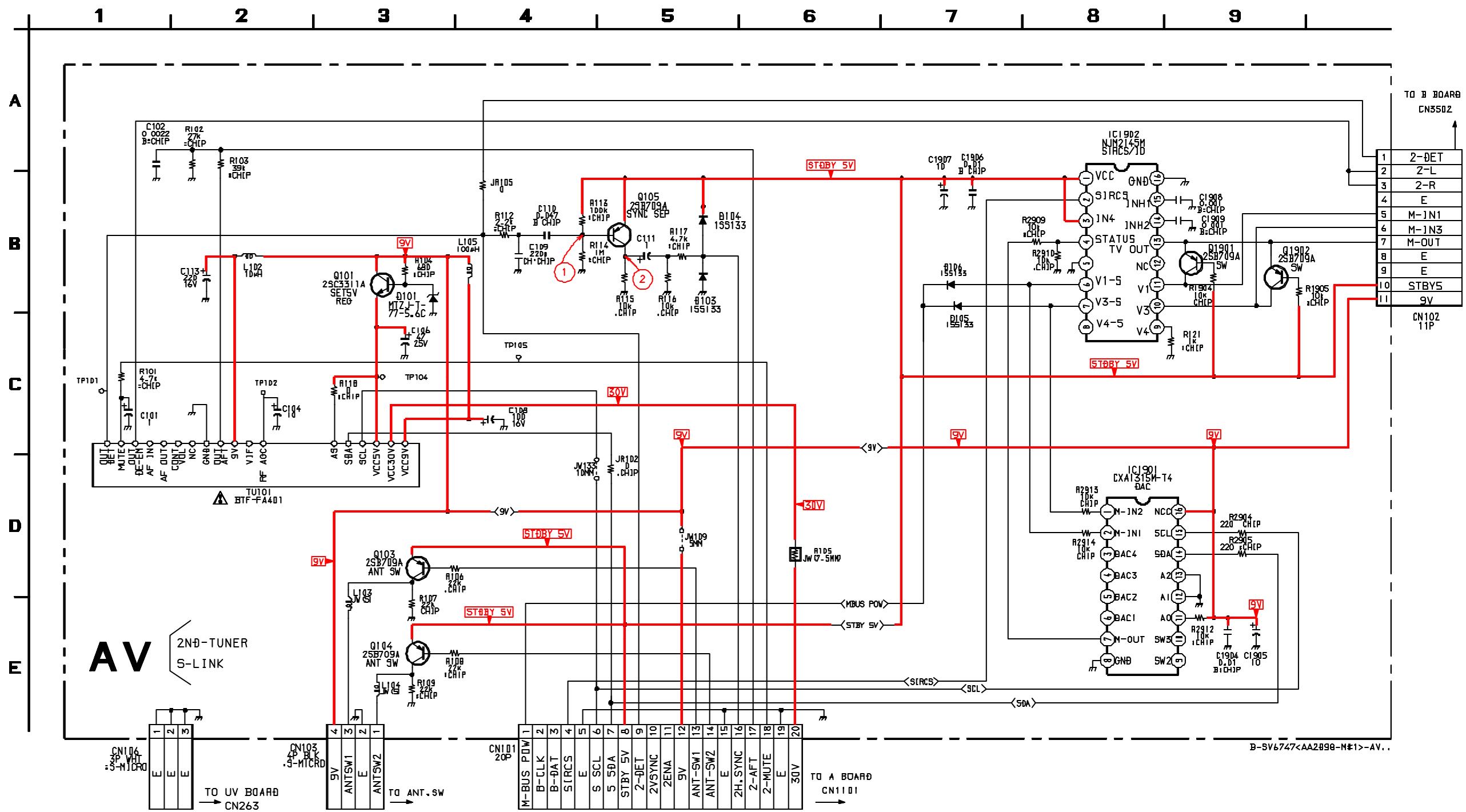
Les composants identifiés per un tramé et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

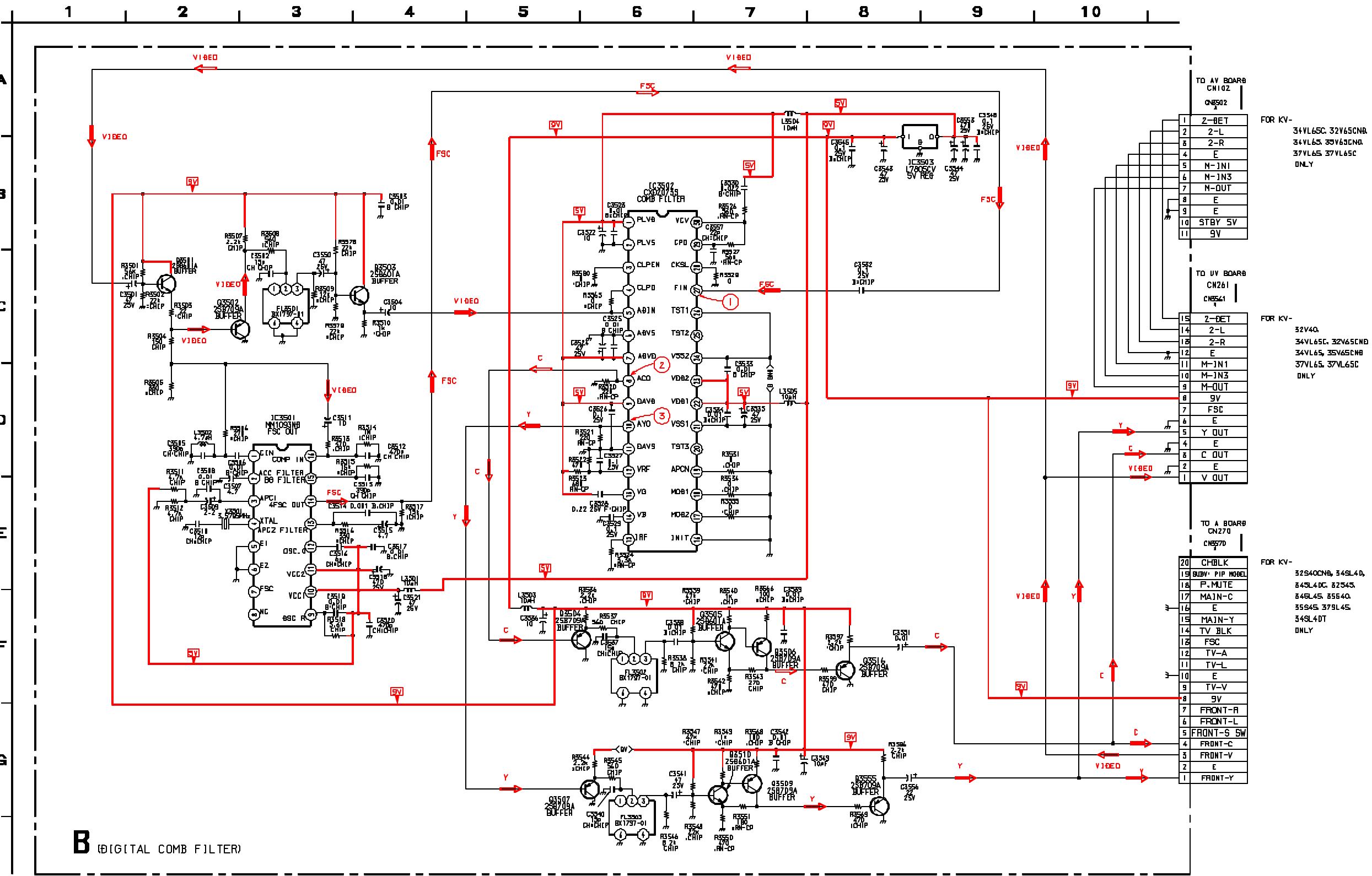
Le symbole  indique une fusible a action rapide. Doit etre remplacée par une fusible de même valeur, comme maque.

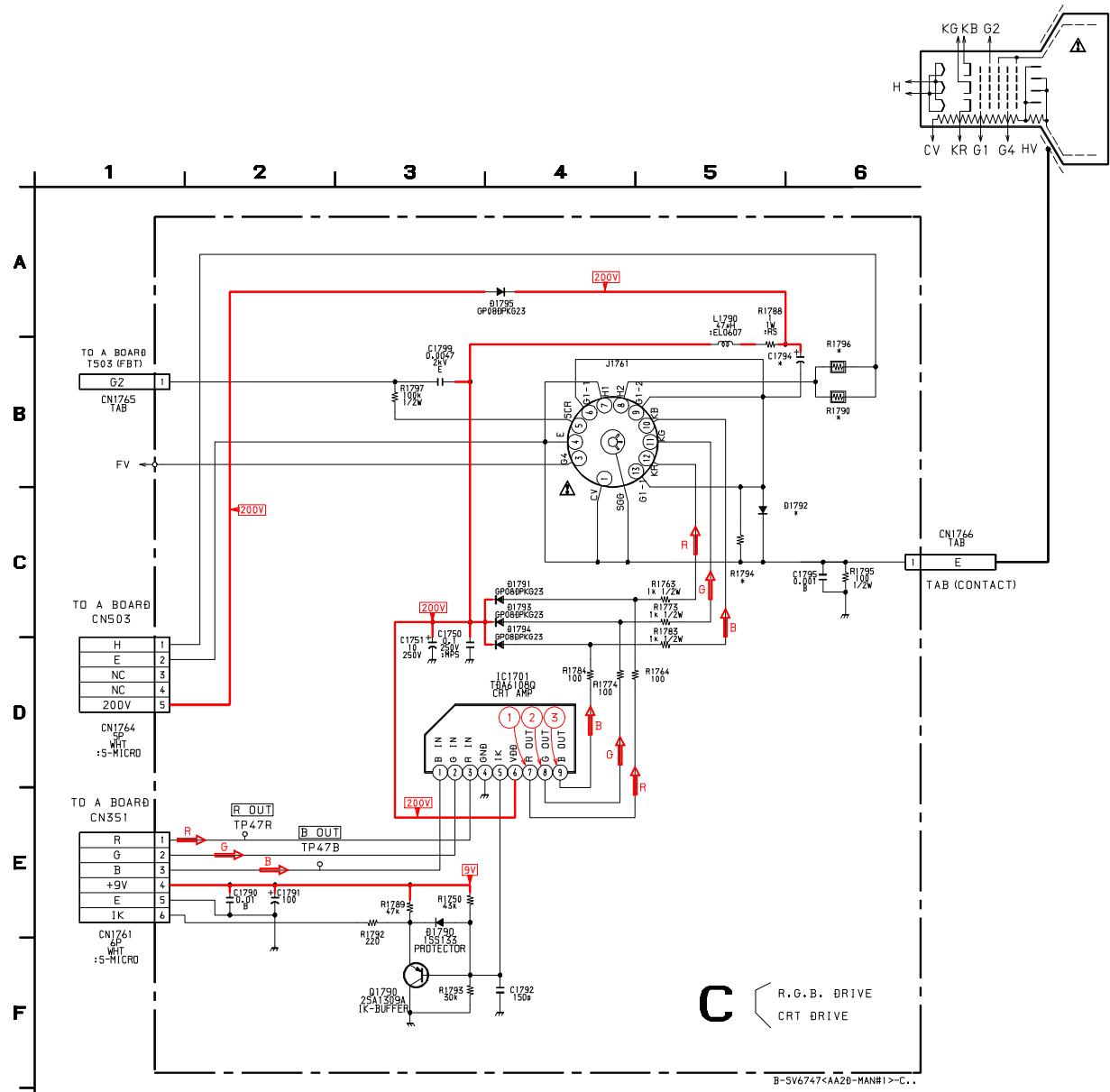


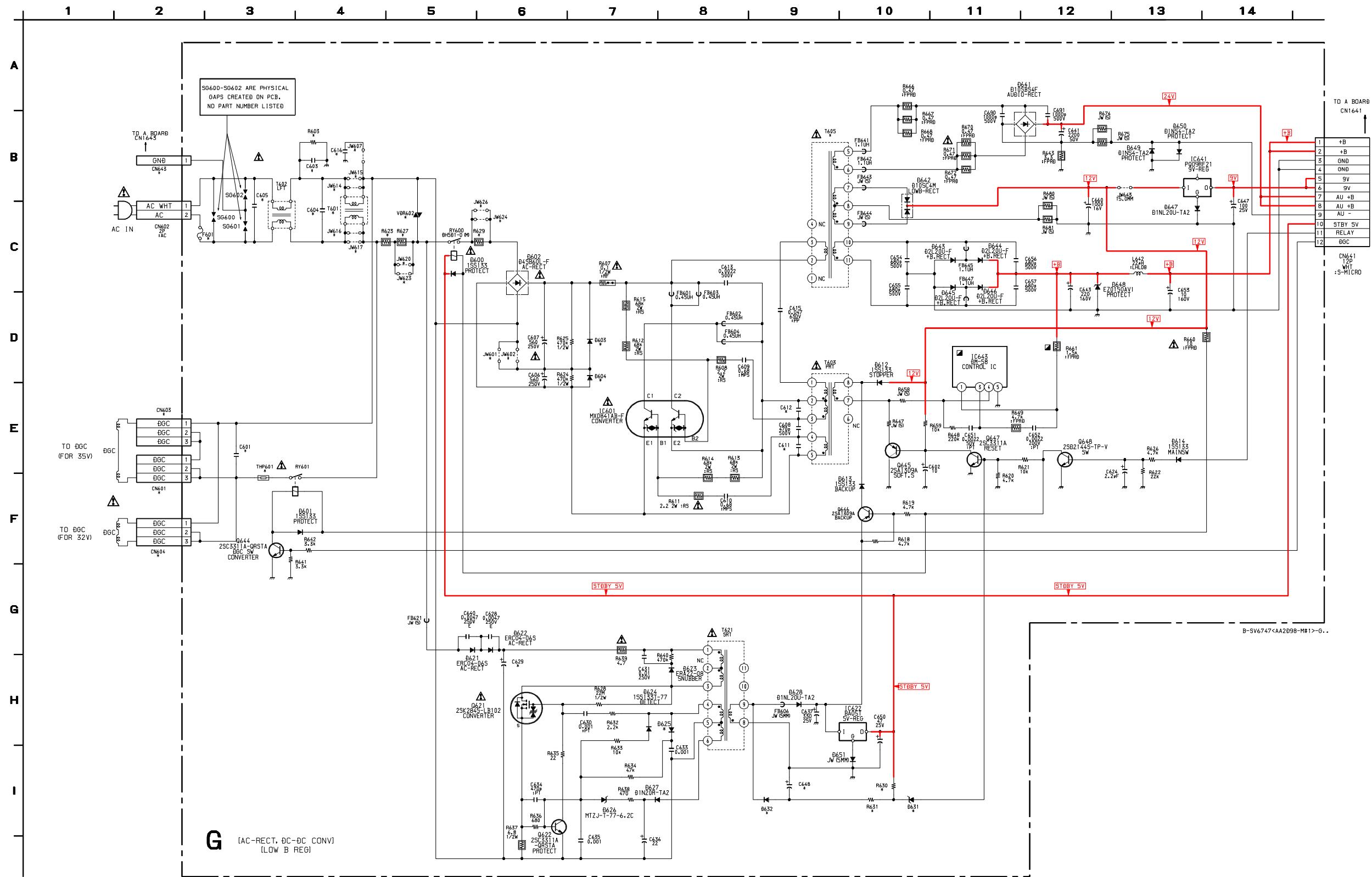












1

2

3

4

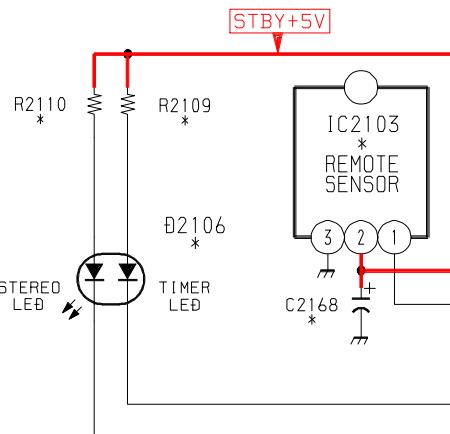
A

HS

[MICON-CTL]

TO A BOARD
CN1231

E	1	1
FRONT R	2	2
FRONT L	3	3
FRONT-SW	4	4
FRONT C	5	5
FRONT V	6	6
E	7	7
FRONT Y	8	8

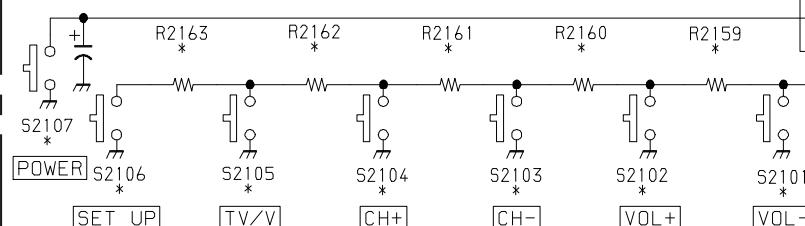
CN2102
*TO HV BOARD
JW2231-JW2237TO HV BOARD
JW2001-JW2008TO A BOARD
CN1001

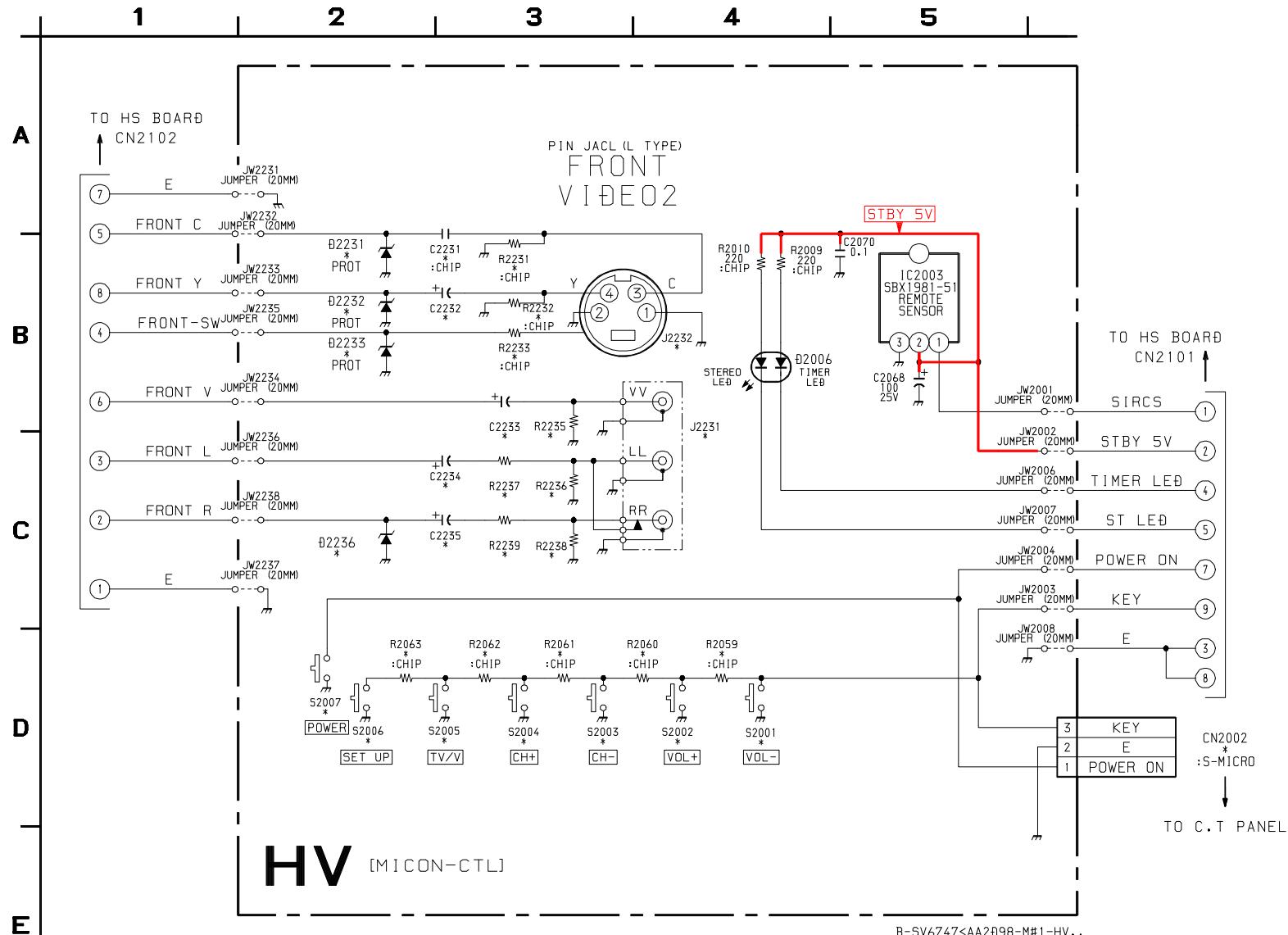
1	SIRCS
2	STBY 5V
3	E
4	TIMER LED
5	ST LED
6	LUMIPON
7	POWER ON
8	E
9	KEY

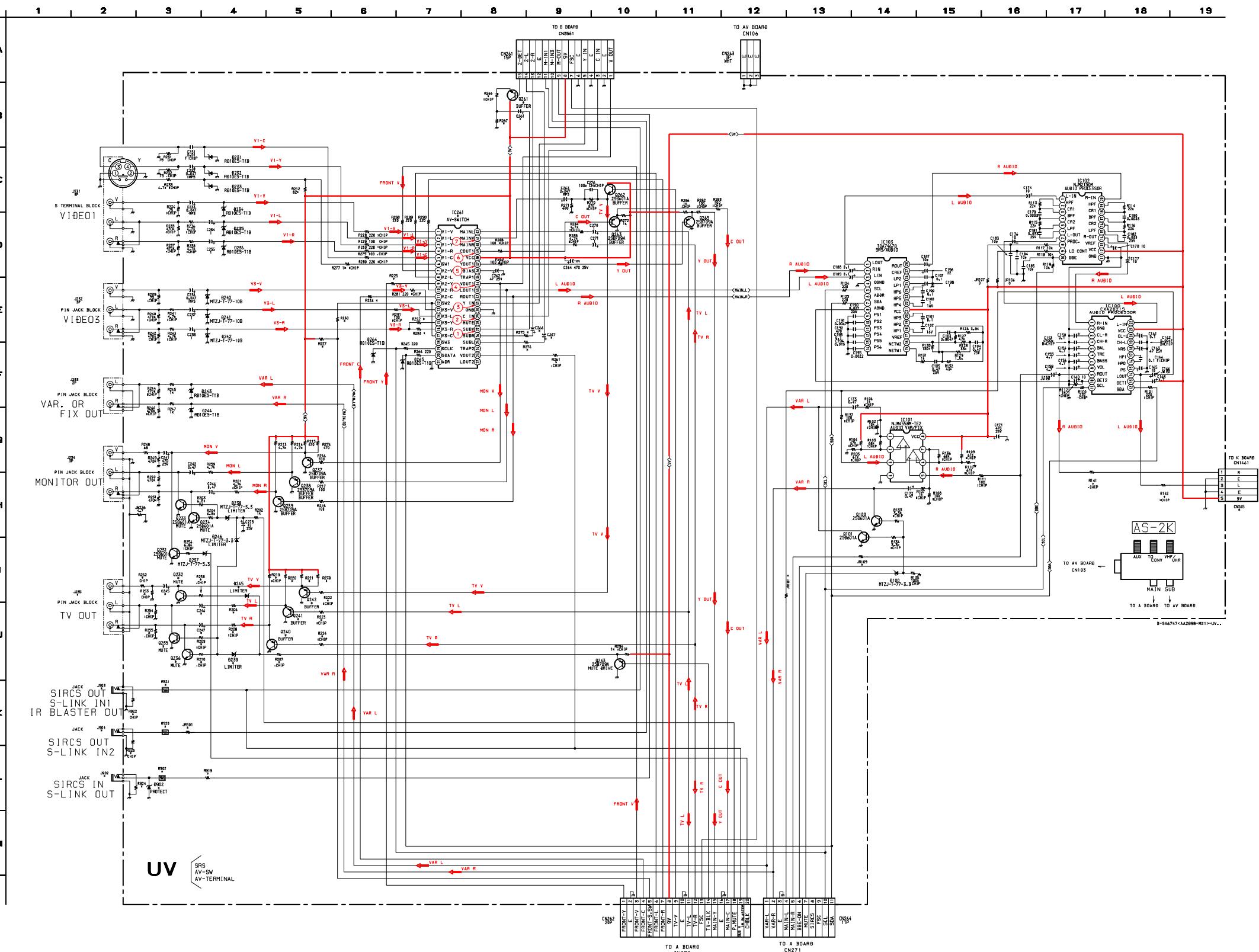
CN2101
9P
:S-MICRO

B

C

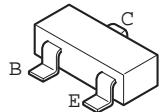
C2169
*



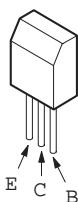


6-5. SEMICONDUCTORS

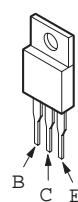
DTC114EK
2SC1623-L5L6
2SA1330-06
2SA1162-G
2SD601A-Q



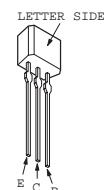
2SC3209LK



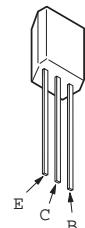
2SA1837
2SC4159-E



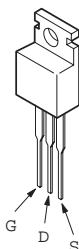
2SA1175-HFE
2SC2785-HFE



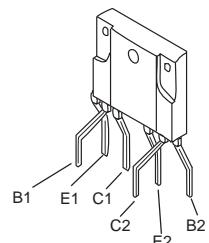
2SD2144S-V



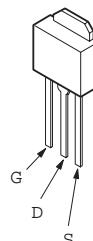
IRF614



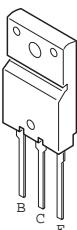
MX0841



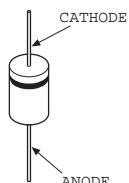
2SK2845-LB102



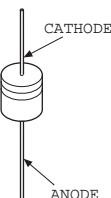
2SC5148



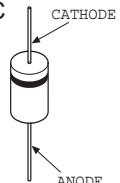
ERC06-15S
ISSI33T-77



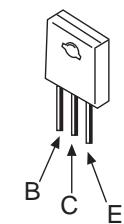
D1NS4
D1N20R
MTZJ-3.3
MTZJ-33A
RD10ESB2
RD39ES-B2
RD5.6ESB2
RD6.2ESB2



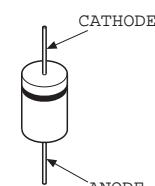
D2L2OU
EL1Z
EZD150AV1
GP08D
MTZJ-T-77-4.3C
EGP20G



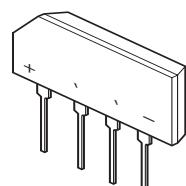
2SC4834M



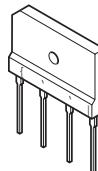
EGP30D
ERD29-08J



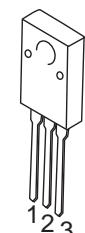
D10SBS4F



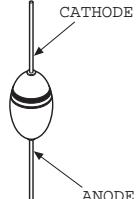
D4SB60L
D1NL40-TA2



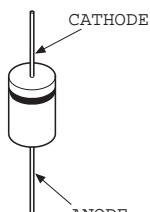
D10SC4M



U05G



D1NL20U



SECTION 7 EXPLODED VIEW

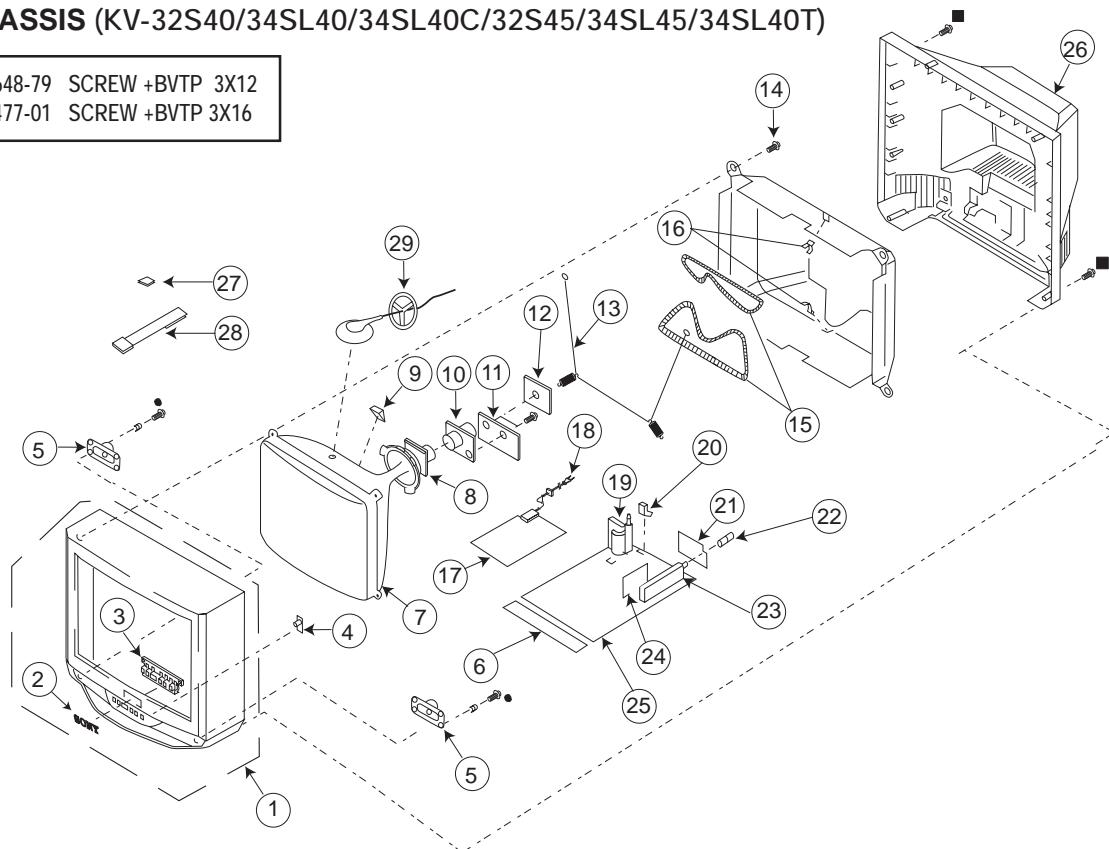
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The component parts of an assembly are indicated by the reference numbers in the remarks column.
- Items marked with an asterisk "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and "Δ" are critical for safety. Replace only with specified part number.

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-1. CHASSIS (KV-32S40/34SL40/34SL40C/32S45/34SL45/34SL40T)

- 7-685-648-79 SCREW +BVTP 3X12
- 4-388-477-01 SCREW +BVTP 3X16



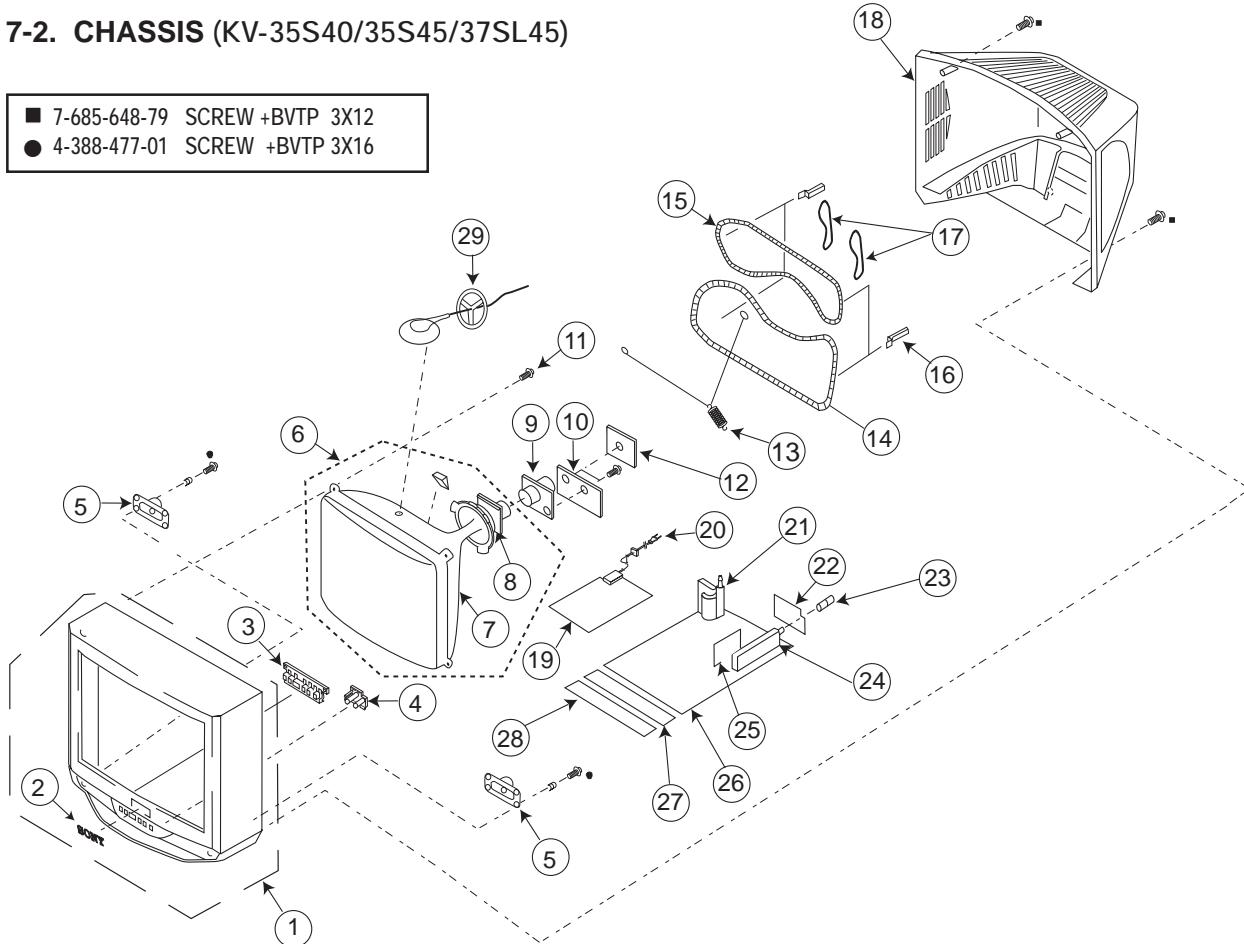
REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
1	X-4035-771-1	BEZNET ASSY (KV-32S40/34SL50C/34SL40/34SL40T)	2-4	17 *	A-1316-389-A	G BOARD, COMPLETE (KV-32S40/34SL40/32S45/34SL45)	
1	X-4035-772-1	BEZNET ASSY (KV-32S45/34SL45)	2-4	17 *	A-1316-395-A	G BOARD, COMPLETE (KV-34SL40C)	
2	4-046-160-11	EMBLEM (NO.9), SONY		17 *	A-1316-396-A	G BOARD, COMPLETE (KV-34SL40T)	
3	4-063-573-01	BUTTON, MULTI		18 Δ	1-751-059-11	CORD, POWER (W/CONNECTOR)	
4	4-063-570-01	GUIDE, LED		19 Δ	1-453-207-11	TRANSFORMER, FBT ASSY NX-2609//X4C	
5	1-504-531-11	SPEAKER (13.1X6.2CM)		20	4-064-530-01	CLIP, CHASSIS (KV-32S45/34SL45)	
6 *	A-1372-519-A	HS BOARD, COMPLETE (KV-32S45/34SL45)		21 *	A-1135-950-A	B, BOARD COMPLETE	
7 Δ	8-733-756-05	CRT 34FX2T (A80JYV52X) (KV-34SL40C)		22	1-766-374-11	PLUG, F-PIN	
7 Δ	8-733-757-05	CRT 34FX2T (A80JYV52X) (FOR N.A. AREA) (KV-32S40/32S45/34SL40/34SL45/34SL40T)		23 Δ	8-598-431-00	FSS TUNER, BTF-WA411 (EXCEPT KV-34SL40T)	
8 Δ	8-451-482-21	DY Y34FXA2-X		23 Δ	8-598-477-00	FSS TUNER, BTF-WG411 (KV-34SL40T ONLY)	
9	4-053-005-01	SPACER, DY		24 *	A-1195-138-A	P BOARD, COMPLETE (KV-32S45/34SL45)	
10 Δ	1-452-579-21	NECK ASSY		25 *	A-1298-661-A	A BOARD, COMPLETE (KV-34SL40T)	
11 *	A-1372-508-A	WB BOARD, MOUNTED		25 *	A-1298-630-A	A BOARD, COMPLETE (KV-32S40/34SL40/34SL40C)	
12 *	A-1331-837-A	C BOARD, COMPLETE		25 *	A-1298-631-A	A, BOARD COMPLETE (KV-32S45/34SL45)	
13	4-036-329-01	SPRING (B) TENSION		26	4-063-852-01	COVER, REAR (KV-32S40/34SL40/34SL40C/34SL40T)	
14	4-041-268-01	SCREW (7), TAPPING		26	4-064-760-01	COVER, REAR (KV-32S45/34SL45)	
15 Δ	1-402-952-11	COIL, DEMAGNETIC		27	1-452-885-11	MAGNET, LANDING	
16 *	4-371-629-01	STOPPER, WIRE		28	4-062-047-01	PIECE A (110), CONV. CORRECT	
				29	3-704-372-31	HOLDER, HV	

The components identified by shading and "Δ" mark are critical for safety. Replace only with specified part number.

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-2. CHASSIS (KV-35S40/35S45/37SL45)

- 7-685-648-79 SCREW +BVTP 3X12
- 4-388-477-01 SCREW +BVTP 3X16



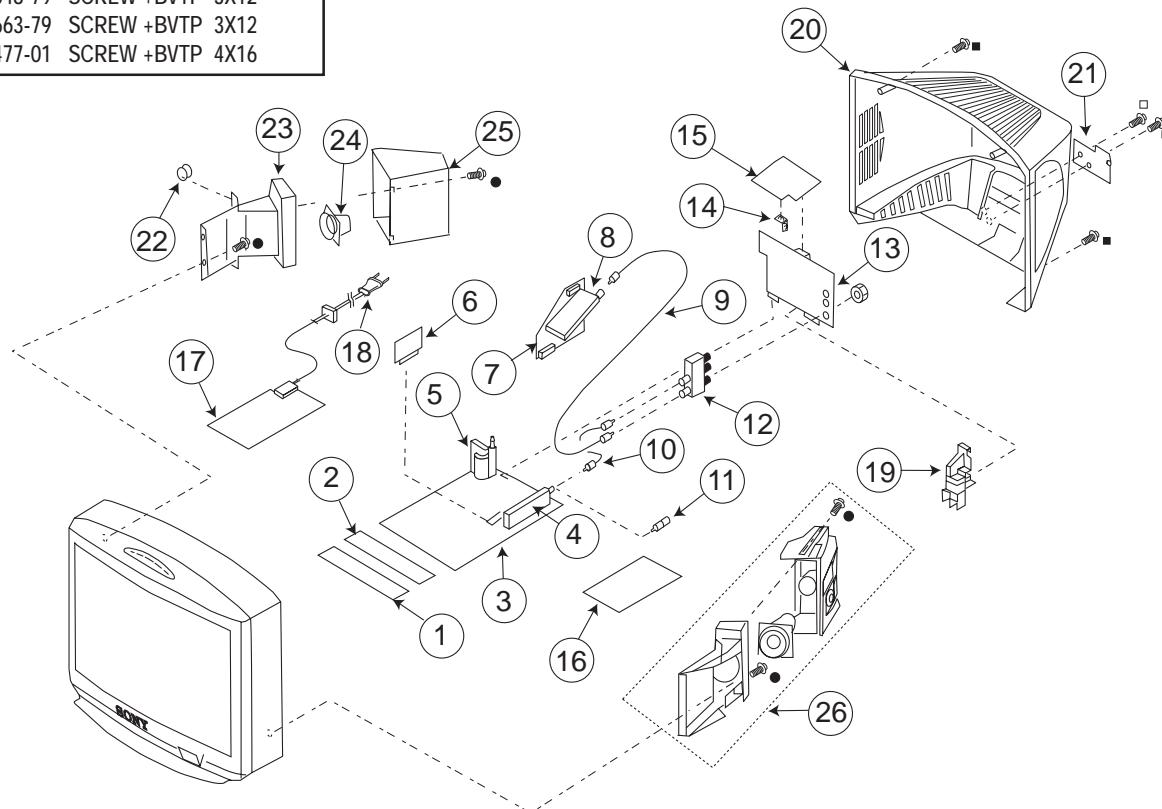
REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
1	X-4035-596-1	BEZNET ASSY (KV-35S40)	2	15 Δ	1-411-882-11	COIL, DEMAGNETIC	
1	X-4035-597-1	BEZNET ASSY (KV-35S45/37SL45)	2	16	4-052-900-02	HOLDER, DGC	
2	4-046-160-01	EMBLEM (NO.9), SONY		17	4-059-585-01	TIE, CABLE (KV-35S40/35S45/37SL45)	
3	4-058-053-11	BUTTON, MULTI		18	4-058-052-21	COVER, REAR	
4	4-058-054-01	BAR, OPTICAL		19 *	A-1316-399-A	G, BOARD, COMPLETE	
5	1-504-531-11	SPEAKER (13.1X6.2CM)		20 Δ	1-751-059-11	CORD, POWER (W/CONNECTOR)	
6 Δ	8-733-761-61	ITC 37GXT-A1	7,8	21 Δ	X-4034-797-1	TRANSFORMER, FBT ASSY NX-3005//J1C	
7 Δ	8-733-761-05	CRT 37GXT		22 *	A-1135-950-A	B, BOARD COMPLETE	
8 Δ	8-451-480-11	DY Y37GXA-X		23	1-766-374-11	PLUG, F-PIN	
9 Δ	8-453-007-11	NA324-M (KV-35S40/35S45/37SL45)		24	8-598-431-00	FSS TUNER, BTF-WA411	
10 *	A-1372-462-A	WA BOARD, MOUNTED		25 *	A-1195-138-A	P BOARD, COMPLETE (KV-35S45/37SL45)	
11	4-046-765-01	SCREW, TAPPING		26 *	A-1298-645-A	A, BOARD COMPLETE (KV-35S40)	
12 *	A-1331-843-A	C BOARD, COMPLETE		26 *	A-1298-646-A	A, BOARD COMPLETE (KV-35S45/37SL45)	
13	4-036-329-01	SPRING (B) TENSION		27 *	A-1372-523-A	HV BOARD, COMPLETE	
14 Δ	1-411-881-11	COIL, DEMAGNETIC		28 *	A-1372-507-A	HS BOARD, COMPLETE	
				29	3-704-372-31	HOLDER, HV	

The components identified by shading and "Δ" mark are critical for safety. Replace only with specified part number.

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-3. CHASSIS (KV-32V40/32V65/34VL65/35VL65C/35V65/37VL65/37VL65C)

- 7-685-648-79 SCREW +BVTP 3X12
- 7-685-663-79 SCREW +BVTP 3X12
- 4-388-477-01 SCREW +BVTP 4X16

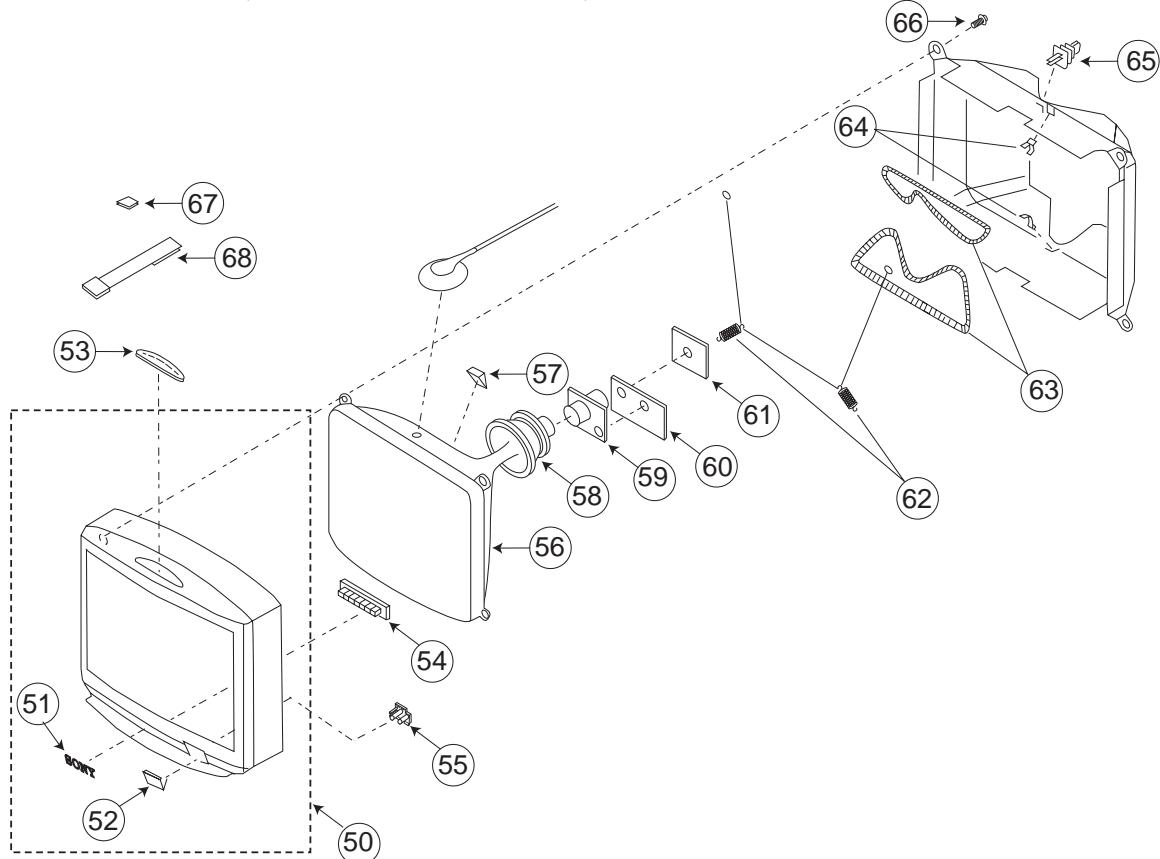


REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
1 *	A-1372-510-A	HS BOARD, COMPLETE		15 *	A-1135-948-A	B BOARD, COMPLETE (KV-32V40 ONLY)	
2 *	A-1372-505-A	HV BOARD, COMPLETE (KV-32V40 ONLY)		15 *	A-1135-949-A	B BOARD, COMPLETE (EXCEPT KV-32V40)	
2 *	A-1372-509-A	HV BOARD, COMPLETE (EXCEPT KV-32V40)		16 *	A-1380-585-A	K BOARD, MOUNTED (EXCEPT KV-32V40)	
3 *	A-1298-613-A	A BOARD, COMPLETE (KV-34VL65C/32V65/34VL65)		17 *	A-1316-389-A	G BOARD, COMPLETE (KV-32V40)	
3 *	A-1298-647-A	A BOARD, COMPLETE (KV-35V65/37VL65/37VL65C)		17 *	A-1316-390-A	G BOARD, COMPLETE (KV-34VL65C)	
3 *	A-1298-611-A	A BOARD, COMPLETE (KV-32V40 ONLY)		17 *	A-1316-391-A	G BOARD, COMPLETE (KV-32V65/34VL65)	
4 Δ	8-598-431-00	TUNER, FSS BTF-WA411		17 *	A-1316-405-A	G BOARD, COMPLETE (KV-35V65/37VL65)	
5 Δ	1-453-207-11	TRANSFORMER, FBT ASSY NX-2609//X4C (KV-32V40/34VL65C/32V65/34VL65)		17 *	A-1316-406-A	G BOARD, COMPLETE (KV-37VL65C)	
5 Δ	X-4034-797-1	TRANSFORMER, FBT ASSY NX-3005//J1C (KV-35V65/37VL65/37VL65C)		18 Δ	1-751-059-11	CORD, POWER (WITH CONNECTOR)	
6 *	A-1195-138-A	P BOARD, COMPLETE (EXCEPT KV-32V40)		19	4-052-905-01	V5/6 BRACKET (KV-35V65/37VL65/37VL65C)	
7 *	A-1298-612-A	AV BOARD, COMPLETE (EXCEPT KV-32V40)		20	4-052-903-11	COVER, REAR (KV-35V65/37VL65/37VL65C)	
8 Δ	8-598-430-00	TUNER, FSS BTF-FA401 (EXCEPT 32V40)		20	4-053-766-21	COVER, REAR (KV-32V65/34VL65C/34VL65)	
9 *	1-556-056-01	CABLE, P-P (EXCEPT KV-32V40)		20	4-053-766-31	COVER, REAR (KV-32V40)	
10 *	1-557-945-21	CABLE, P-P (EXCEPT KV-32V40)		21 *	4-052-898-41	LABEL, TERMINAL (EXCEPT KV-32V40)	
11	1-766-374-11	PLUG, F-PIN (KV-32V40 ONLY)		21 *	4-052-899-31	LABEL, TERMINAL (KV-32V40 ONLY)	
12	8-598-414-00	ANTENNA SWITCH (KV-35V65/37VL65/37VL65C)		22	4-374-745-31	CUSHION (A) (KV-32V40/34VL65C/32V65/34VL65)	
13 *	A-1394-905-A	UV BOARD, COMPLETE (KV-32V40 ONLY)		23	X-4035-400-1	BAFFLE ASSY (KV-32V40/34VL65C/32V65/34VL65)	
13 *	A-1394-906-A	UV BOARD, COMPLETE (EXCEPT KV-32V40)		24	1-503-326-21	SPEAKER (8CM) (KV-34VL65C/32V65/34VL65)	
14	3-696-606-02	HINGE, VI (KV-32V40 ONLY)		24	1-504-524-31	SPEAKER (8CM) (KV-32V40 ONLY)	
				25	X-4035-401-1	COVER ASSY (KV-32V40/34VL65C/32V65/34VL65)	
				26	1-505-684-11	SPEAKER UNIT, BOX TYPE 2 WAY (KV-35V65/37VL65/37VL65C)	

The components identified by shading and "Δ" mark are critical for safety. Replace only with specified part number.

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-4. PICTURE TUBE (KV-32V40/32V65/34VL65)

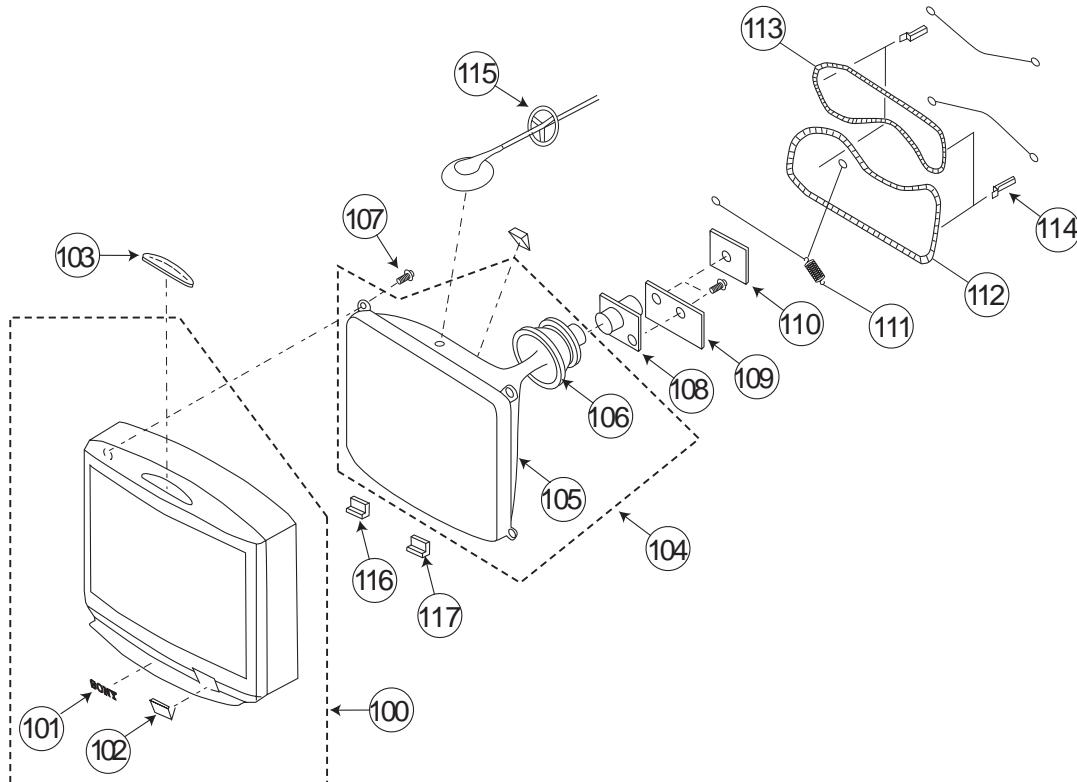


REF.NO.	PART NO.	DESCRIPTION	REMARK
50	X-4035-591-1	BEZNET ASSY (KV-32V40 ONLY)	51,52
50	X-4035-592-1	BEZNET ASSY (KV-34VL65C/32V65/34VL65)	51,52
51	4-046-160-01	EMBLEM, (NO.9) SONY (KV-32V40 ONLY)	
52	4-052-906-01	DOOR, CONTROL (KV-32V40 ONLY)	
52	4-052-906-11	DOOR, CONTROL (EXCEPT KV-32V40)	
53	1-473-549-21	SWITCH, BLOCK CONTROL (KV-34VL65C/32V65/34VL65)	
54	4-052-907-11	BUTTON, MULTI (KV-32V40 ONLY)	
55 *	4-052-897-01	GUIDE, LED	
56 Δ	8-733-756-05	CRT 34FX2T A80JYV52X (KV-34VL65C)	
56 Δ	8-733-757-05	CRT34FX2T A80JYV52X (KV-32V40/32V65/34VL65)	
57	4-053-005-01	SPACER, DY	
58 Δ	8-451-482-21	DY Y34FXA2-X	
59 Δ	1-452-579-21	NECK ASSY	
60 *	A-1372-508-A	WB BOARD, MOUNTED	
61 *	A-1331-837-A	C BOARD, COMPLETE	
62	4-036-329-01	SPRING (B), TENSION	
63 Δ	1-402-952-11	COIL, DEMAGNETIC	
64	4-371-629-01	STOPPER, WIRE	
65	4-033-681-01	HOLDER, LEAD	
66	4-041-268-01	SCREW (7), TAPPING	
67	1-452-885-11	MAGNET, LANDING	
68	4-062-047-01	PIECE A (110), CORR. CONV.	

The components identified by shading and "Δ" mark are critical for safety. Replace only with specified part number.

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-5. PICTURE TUBE (KV-35VL65C/35V65/37VL65/37VL65C)



REF.NO.	PART NO.	DESCRIPTION	REMARK
100	X-4035-594-1	BEZNET ASSY	101,102
101	4-046-160-01	EMBLEM, (NO. 9), SONY	
102	4-052-906-11	DOOR, CONTROL	
103	1-473-549-21	SWITCH, BLOCK CONTROL	
104	△8-733-761-61	ITC 37GXT-A1	105,106
105	△8-733-761-05	CRT 37GXT	
106	△8-451-480-11	DY Y37GXA-X	
107	4-046-765-01	SCREW, TAPPING	
108	△8-453-007-11	NA324-M	
109	* A-1372-462-A	WA BOARD, MOUNTED	
110	* A-1331-843-A	C BOARD, COMPLETE	
111	4-036-329-01	SPRING (B), TENSION	
112	△1-411-882-11	COIL, DEMAGNETIC	
113	△1-411-881-11	COIL, DEMAGNETIC	
114	* 4-052-900-02	HOLDER, DGC	
115	3-704-372-31	HOLDER, HV	
116	4-052-902-01	CRT SUPPORT (L)	
117	4-052-901-01	CRT SUPPORT (R)	

SECTION 8

ELECTRICAL PARTS LIST

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SECTION 8

ELECTRICAL PARTS LIST (FOR S SERIES)

Note:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

The components identified by **█** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

RESISTORS

- All resistors are in ohms
- F : nonflammable

CAPACITORS

- $MF = \mu F$

INDUCTORS

- $UH = \mu H$, $MMH = mH$

When indicating parts by reference number, please include the board name.

Note:

Les composants identifies per un trame et une marque Δ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK		
A						C069		VARIANT (SEE VARIANT PARTS LIST)			
			C070	1-126-967-11	ELECT	47MF	20%	50V			
			C071	1-164-096-11	CERAMIC CHIP	0.01MF		50V			
			C072	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V			
			C075	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V			
* A-1298-630-A	A BOARD, COMPLETE (KV-32S40/34SL40/34SL40C only)		C353	1-163-231-11	CERAMIC CHIP	15PF	5%	50V			
* A-1298-631-A	A BOARD, COMPLETE (KV-32S45/34SL45 only)		C354	1-163-133-00	CERAMIC CHIP	470PF	5%	50V			
* A-1298-645-A	A BOARD, COMPLETE(KV-35S40 only)		C355	1-126-959-11	ELECT	0.47MF	20%	50V			
* A-1298-646-A	A BOARD, COMPLETE (KV-35S45/37SL45 only)		C356	1-126-963-11	ELECT	4.7MF	20%	50V			
* A-1298-661-A	A BOARD, COMPLETE(KV-34SL40T only)		C357	1-126-959-11	ELECT	0.47MF	20%	50V			
1-923-513-27	WIRE UL1007 AWG22 180MM GRY		C358	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V			
4-382-854-11	SCREW (M3X10), P, SW (+)		C359	1-126-933-11	ELECT	100MF	20%	16V			
CAPACITOR						C363	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C001	1-163-259-91	CERAMIC CHIP	220PF	5%	50V	C364	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C003	1-104-760-11	CERAMIC CHIP	0.047MF	10%	50V	C365	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C005	1-126-960-11	ELECT	1MF	20%	50V	C366	1-130-495-00	FILM	0.1MF	5%	50V
C009	1-126-967-11	ELECT	47MF	20%	50V	C367	1-130-495-00	FILM	0.1MF	5%	50V
C010	1-163-033-91	CERAMIC CHIP	0.022MF		50V	C368	1-130-495-00	FILM	0.1MF	5%	50V
C012	1-216-033-00	RES, CHIP	220	5%	1/10W	C369	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C013	1-216-121-91	RES, CHIP	1M	5%	1/10W	C370		VARIANT (SEE VARIANT PARTS LIST)			
C014	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	C371	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
C023	1-163-259-91	CERAMIC CHIP	220PF	5%	50V	C372	1-126-959-11	ELECT	0.47MF	20%	50V
C028	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C373	1-126-960-11	ELECT	1MF	20%	50V
C029	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C375		VARIANT (SEE VARIANT PARTS LIST)			
C030	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	C376	1-126-964-11	ELECT	10MF	20%	50V
C035	1-163-237-11	CERAMIC CHIP	27PF	5%	50V	C377	1-130-495-00	FILM	0.1MF	5%	50V
C036	1-163-231-11	CERAMIC CHIP	15PF	5%	50V	C378	1-130-495-00	FILM	0.1MF	5%	50V
C037	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	C379	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C038	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	C380	1-126-935-11	ELECT	470MF	20%	16V
C039	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	C381	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C040	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	C383	1-130-495-00	FILM	0.1MF	5%	50V
C051	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C385	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V
C053	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C386	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C056	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	C387	1-126-961-11	ELECT	2.2MF	20%	50V
C061	1-163-033-91	CERAMIC CHIP	0.022MF		50V	C388	1-126-959-11	ELECT	0.47MF	20%	50V
C062	1-163-033-91	CERAMIC CHIP	0.022MF		50V	C390	1-126-960-11	ELECT	1MF	20%	50V
C063	1-126-935-11	ELECT	470MF	20%	16V	C391	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C068			VARIANT (SEE VARIANT PARTS LIST)			C392	1-163-251-11	CERAMIC CHIP	100PF	5%	50V

Note:

The components identified with shading and a critical symbol (Δ) are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK		
C461	1-126-933-11	ELECT	100MF	20%	16V	C545	1-106-387-00	MYLAR	0.068MF	10%	200V
C462	1-126-961-11	ELECT	2.2MF	20%	50V	C546	1-106-343-00	MYLAR	0.001MF	10%	100V
C463	1-126-961-11	ELECT	2.2MF	20%	50V	C547	1-106-343-00	MYLAR	0.001MF	10%	100V
C464	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	C551	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
C466	1-104-666-11	ELECT	220MF	20%	25V	C561	1-126-967-11	ELECT	47MF	20%	50V
C467	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	C563	1-126-934-11	ELECT	220MF	20%	10V
C468	1-104-664-11	ELECT	47MF	20%	25V	C564	1-126-960-11	ELECT	1MF	20%	50V
C470	1-126-961-11	ELECT	2.2MF	20%	50V	C565	1-126-969-11	ELECT	220MF	20%	50V
C471	1-104-666-11	ELECT	220MF	20%	25V	C566	1-126-964-11	ELECT	10MF	20%	50V
C472	1-136-173-00	FILM	0.47MF	5%	50V	C568	1-136-169-00	FILM	0.22MF	5%	50V
C473	1-136-169-00	FILM	0.22MF	5%	50V	C571	1-104-664-11	ELECT	47MF	20%	25V
C474	1-126-942-61	ELECT	1000MF	20%	25V	C1002	1-126-964-11	ELECT	10MF	20%	50V
C475	1-136-169-00	FILM	0.22MF	5%	50V	C1101	1-126-768-11	ELECT	2200MF	20%	16V
C476	1-126-942-61	ELECT	1000MF	20%	25V	C1103	1-126-965-11	ELECT	22MF	20%	50V
C477	1-126-942-61	ELECT	1000MF	20%	25V	C1104	1-104-664-11	ELECT	47MF	20%	16V
C501	1-163-259-91	CERAMIC CHIP	220PF	5%	50V	C1105	1-104-664-11	ELECT	47MF	20%	16V
C502	1-126-959-11	ELECT	0.47MF	20%	50V	C1106	1-126-964-11	ELECT	10MF	20%	50V
C503	1-163-003-11	CERAMIC CHIP	330PF	10%	50V	C1107	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C504	1-102-212-00	CERAMIC CHIP	820PF	10%	500V	C1108	1-126-960-11	ELECT	1MF	20%	50V
C505	1-102-002-00	CERAMIC CHIP	680PF	10%	500V	C1109	1-126-964-11	ELECT	10MF	20%	50V
C506	1-106-383-00	MYLAR	0.047MF	10%	200V	C1110	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C507 Δ	1-162-116-00	CERAMIC CHIP	680PF	10%	2KV	C1111	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C508	1-102-244-00	CERAMIC CHIP	220PF	10%	500V	C1112	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C509	1-162-116-00	CERAMIC CHIP	680PF	10%	2KV	C1236	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C510	1-137-150-11	MYLAR	0.01MF	10%	100V	C1237	1-136-161-00	FILM	0.047MF	5%	50V
C511 Δ	1-115-460-11	FILM	0.022MF	3%	1.2KV	C1238	1-136-161-00	FILM	0.047MF	5%	50V
C513		VARIANT (SEE VARIANT PARTS LIST)				C1239	1-126-960-11	ELECT	1MF	20%	50V
C514		VARIANT (SEE VARIANT PARTS LIST)				C1240	1-126-960-11	ELECT	1MF	20%	50V
C515	1-106-343-00	MYLAR	0.001MF	10%	100V	C1241		VARIANT (SEE VARIANT PARTS LIST)			
C516	1-115-461-11	FILM	2MF	5%	200V	C1242		VARIANT (SEE VARIANT PARTS LIST)			
C517	1-107-649-11	ELECT	2.2MF	20%	250V	C1243		VARIANT (SEE VARIANT PARTS LIST)			
C518	1-106-395-00	MYLAR	0.15MF	10%	200V	C1244	1-126-959-11	ELECT	0.47MF	20%	50V
C519	1-162-815-11	CERAMIC CHIP	47PF	5%	500V	C1245	1-126-959-11	ELECT	0.47MF	20%	50V
C520		VARIANT (SEE VARIANT PARTS LIST)				C1261	1-104-664-11	ELECT	47MF	20%	16V
C521		VARIANT (SEE VARIANT PARTS LIST)				C1262	1-104-664-11	ELECT	47MF	20%	16V
C522	1-126-960-11	ELECT	1MF	20%	50V	C1263	1-126-960-11	ELECT	1MF	20%	50V
C525	1-102-244-00	CERAMIC CHIP	220PF	10%	500V	C1264	1-126-960-11	ELECT	1MF	20%	50V
C526	1-107-662-11	ELECT	22MF	20%	250V	C1267	1-136-161-00	FILM	0.047MF	5%	50V
C527	1-162-116-00	CERAMIC CHIP	680PF	10%	2KV	C1268	1-126-960-11	ELECT	1MF	20%	50V
C528	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	C1269	1-126-960-11	ELECT	1MF	20%	50V
C529	1-128-551-11	ELECT	22MF	20%	25V	C1293	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C530	1-137-366-11	FILM	0.0022MF	5%	50V	C1351	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C531	1-126-965-11	ELECT	22MF	20%	50V	C1352	1-126-933-11	ELECT	100MF	20%	16V
C532	1-126-965-11	ELECT	22MF	20%	50V	C1353	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
C537		VARIANT (SEE VARIANT PARTS LIST)				C1354	1-216-295-91	SHORT			
C539		VARIANT (SEE VARIANT PARTS LIST)				C1401	1-126-959-11	ELECT	0.47MF	20%	50V
C540	1-123-024-21	ELECT	33MF		160V	C1402	1-104-664-11	ELECT	47MF	20%	25V
C541	1-128-560-11	ELECT	22MF	20%	100V	C1403	1-126-959-11	ELECT	0.47MF	20%	50V
C542		VARIANT (SEE VARIANT PARTS LIST)				C1404	1-126-956-91	ELECT	0.1MF	20%	50V



S SERIES
COMMON PARTS LISTING

Note:

The components identified with shading and a critical symbol (Δ) are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

<u>REF.NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REMARK</u>			<u>REF.NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REMARK</u>		
C1405	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	D515	8-719-302-43	DIODE EL1Z			
C1406	1-126-956-91	ELECT	0.1MF	20%	50V	D516	8-719-991-33	DIODE 1SS133T-77			
C1407	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	D518	8-719-991-33	DIODE 1SS133T-77			
C1408	1-126-963-11	ELECT	4.7MF	20%	50V	D519 Δ	8-719-302-43	DIODE EL1Z			
C1409	1-126-963-11	ELECT	4.7MF	20%	50V	D520	8-719-991-33	DIODE 1SS133T-77			
C1410	1-126-956-91	ELECT	0.1MF	20%	50V	D521	8-719-921-63	DIODE MTZJ-7.5B			
C1411	1-165-319-11	CERAMIC CHIP	0.1MF		50V	D530	8-719-979-85	DIODE EGP20G			
C1413	1-126-963-11	ELECT	4.7MF	20%	50V	D531	8-719-979-85	DIODE EGP20G			
C1415	1-126-964-11	ELECT	10MF	20%	50V	D534	8-719-302-43	DIODE EL1Z			
C1416	1-126-963-11	ELECT	4.7MF	20%	50V	D561	8-719-908-03	DIODE GP08D			
C1417	1-126-767-11	ELECT	1000MF	20%	16V	D562	8-719-991-33	DIODE 1SS133T-77			
C1420	1-126-963-11	ELECT	4.7MF	20%	50V	D1102	8-719-982-24	DIODE MTZJ-33A			
C1501	VARIANT (SEE VARIANT PARTS LIST)					D1103	8-719-109-89	DIODE RD5.6ESB2			
CONNECTOR											
CN270	1-573-298-11	CONNECTOR, BOARD TO BOARD 20P				D1247	8-719-110-17	DIODE RD10ESB2			
CN351 *	1-564-509-11	PLUG, CONNECTOR 6P				D1248	8-719-981-99	DIODE MTZJ-3.3			
CN461 *	1-564-507-11	PLUG, CONNECTOR 4P				D1261	8-719-110-17	DIODE RD10ESB2			
CN501 *	1-580-798-11	CONNECTOR 6P				D1262	8-719-110-17	DIODE RD10ESB2			
CN503 *	1-564-508-11	PLUG, CONNECTOR 5P				D1263	8-719-110-17	DIODE RD10ESB2			
						D1264	8-719-110-17	DIODE RD10ESB2			
FERRITE BEAD											
CN1001	VARIANT (SEE VARIANT PARTS LIST)					FB501	1-410-396-41	FERRITE 0.45UH			
CN1641 *	1-564-515-11	PLUG, CONNECTOR 12P				FB502	1-410-397-21	FERRITE 1.1UH			
CN1941 *	1-564-508-11	PLUG, CONNECTOR 8P				FB503	1-410-397-21	FERRITE 1.1UH			
CN3001	VARIANT (SEE VARIANT PARTS LIST)					IC					
DIODE											
D001	8-719-991-33	DIODE 1SS133T-77				IC001	8-752-897-18	IC CXP85840A-011S			
D002	8-719-109-89	DIODE RD5.6ESB2				IC002	8-759-527-74	IC M24C02-MN6T			
D003	8-719-991-33	DIODE 1SS133T-77				IC003	VARIANT (SEE VARIANT PARTS LIST)				
D004	8-719-110-17	DIODE RD10ESB2				IC351	8-752-082-73	IC CXA2095S			
D005	VARIANT (SEE VARIANT PARTS LIST)					IC461	8-759-980-43	IC TDA2009A			
D006	VARIANT (SEE VARIANT PARTS LIST)					IC501	8-759-700-07	IC NJM2903M			
D011	8-719-983-20	DIODE MTZJ-T-77-4.3C				IC561	8-759-980-58	IC TDA8172			
D013	8-719-991-33	DIODE 1SS133T-77				IC1261	VARIANT (SEE VARIANT PARTS LIST)				
D014	8-719-991-33	DIODE 1SS133T-77				IC1401	8-752-072-39	IC CXA2021S			
D015	8-719-991-33	DIODE 1SS133T-77				IC1402	8-759-100-96	IC UPC4558G2			
D353	8-719-991-33	DIODE 1SS133T-77				JACK					
D356	8-719-991-33	DIODE 1SS133T-77				J1232	1-774-751-11	TERMINAL BLOCK, S			
D360	8-719-110-17	DIODE RD10ESB2				J1233	VARIANT (SEE VARIANT PARTS LIST)				
D362	8-719-991-33	DIODE 1SS133T-77				J1234	1-774-750-11	JACK BLOCK, PIN			
D368	VARIANT (SEE VARIANT PARTS LIST)					CHIP CONDUCTOR					
D462	8-719-991-33	DIODE 1SS133T-77				JR351	VARIANT (SEE VARIANT PARTS LIST)				
D501	8-719-109-89	DIODE RD5.6ESB2				JR352	VARIANT (SEE VARIANT PARTS LIST)				
D502	8-719-945-80	DIODE ERC06-15S				JR501	1-216-295-91	SHORT			
D503	8-719-945-80	DIODE ERC06-15S				JR1264	VARIANT (SEE VARIANT PARTS LIST)				
D504	8-719-900-26	DIODE ERD29-08J				JR1450	1-216-295-91	SHORT			
D505	8-719-908-03	DIODE GP08D				JR1451	1-216-295-91	SHORT			
D506	8-719-908-03	DIODE GP08D									
D507	8-719-991-33	DIODE 1SS133T-77									

Note:

The components identified with shading and a critical symbol (Δ) are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK		
JR1454	1-216-295-91	SHORT		Q462	8-729-216-22	TRANSISTOR 2SA1162-G			
JR1455	1-216-295-91	SHORT		Q501	8-729-140-50	TRANSISTOR 2SC3209LK			
JR1801	1-216-295-91	SHORT		Q502 Δ	8-729-035-75	TRANSISTOR 2SC5148(LBSONY)			
JR1802	1-216-295-91	SHORT		Q511 Δ	8-729-422-27	TRANSISTOR 2SD601A-Q			
JR1803	1-216-295-91	SHORT		Q512 Δ	8-729-809-29	TRANSISTOR 2SC4159-E			
JR1804	1-216-295-91	SHORT		Q551	8-729-216-22	TRANSISTOR 2SA1162-G			
JR4120	1-216-295-91	SHORT		Q552	8-729-422-27	TRANSISTOR 2SD601A-Q			
COIL				Q561	8-729-422-27	TRANSISTOR 2SD601A-Q			
L001	1-408-421-00	INDUCTOR 100UH		Q562	8-729-422-27	TRANSISTOR 2SD601A-Q			
L002	1-408-421-00	INDUCTOR 100UH		Q563	8-729-105-08	TRANSISTOR 2SA1330-06			
L003	1-410-470-11	INDUCTOR 10UH		Q1102	8-729-119-78	TRANSISTOR 2SC2785-HFE			
L004	1-410-470-11	INDUCTOR 10UH		Q1103	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX			
L352	1-412-537-31	INDUCTOR 100UH		Q1231	8-729-422-27	TRANSISTOR 2SD601A-Q			
L461	1-408-602-31	INDUCTOR 8.2UH		Q1232	8-729-422-27	TRANSISTOR 2SD601A-Q			
L501 Δ	1-411-976-11	COIL, HORIZONTAL LINEARITY		Q1261	8-729-216-22	TRANSISTOR 2SA1162-G			
L502	1-412-552-11	INDUCTOR 2.2MMH		Q1262	8-729-216-22	TRANSISTOR 2SA1162-G			
L503	1-406-677-11	INDUCTOR		Q1263	8-729-422-27	TRANSISTOR 2SD601A-Q			
L511	1-406-607-41	INDUCTOR		RESISTOR					
L517	1-412-552-11	INDUCTOR 2.2MMH		R001	1-216-045-00	RES, CHIP	680	5%	1/10W
L541		VARIANT (SEE VARIANT PARTS LIST)		R002	1-247-815-91	CARBON	220	5%	1/4W
L1101	1-408-421-00	INDUCTOR 100UH		R003	1-216-097-91	RES, CHIP	100K	5%	1/10W
L1102	1-410-470-11	INDUCTOR 10UH		R004	1-216-121-91	RES, CHIP	1M	5%	1/10W
L1401	1-410-494-11	INDUCTOR 1MMH		R007	1-216-073-00	RES, CHIP	10K	5%	1/10W
IC LINK				R009	1-216-073-00	RES, CHIP	10K	5%	1/10W
PS461 Δ	1-532-984-11	LINK, IC 2A/90V		R010	1-216-037-00	RES, CHIP	330	5%	1/10W
TRANSISTOR				R011	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
Q001	8-729-216-22	TRANSISTOR 2SA1162-G		R012		VARIANT (SEE VARIANT PARTS LIST)			
Q002	8-729-422-27	TRANSISTOR 2SD601A-Q		R013	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
Q003	8-729-422-27	TRANSISTOR 2SD601A-Q		R014	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
Q004	8-729-216-22	TRANSISTOR 2SA1162-G		R015	1-216-073-00	RES, CHIP	10K	5%	1/10W
Q010	8-729-422-27	TRANSISTOR 2SD601A-Q		R016	1-216-073-00	RES, CHIP	10K	5%	1/10W
Q011	8-729-422-27	TRANSISTOR 2SD601A-Q		R019	1-249-425-11	CARBON	4.7K	5%	1/4W
Q012	8-729-422-27	TRANSISTOR 2SD601A-Q		R020	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
Q013	8-729-422-27	TRANSISTOR 2SD601A-Q		R022		VARIANT (SEE VARIANT PARTS LIST)			
Q014	8-729-422-27	TRANSISTOR 2SD601A-Q		R023	1-216-089-91	RES, CHIP	47K	5%	1/10W
Q015	8-729-422-27	TRANSISTOR 2SD601A-Q		R024	1-249-381-11	CARBON	1	5%	1/4W
Q016	8-729-422-27	TRANSISTOR 2SD601A-Q		R025	1-163-010-11	CERAMIC CHIP	0.0012MF	10%	50V
Q017	8-729-216-22	TRANSISTOR 2SA1162-G		R026	1-163-038-91	CERAMIC CHIP	0.1MF		25V
Q301	8-729-216-22	TRANSISTOR 2SA1162-G		R027	1-249-389-11	CARBON	4.7	5%	1/4W
Q302	8-729-216-22	TRANSISTOR 2SA1162-G		R028	1-249-417-11	CARBON	1K	5%	1/4W
Q303	8-729-216-22	TRANSISTOR 2SA1162-G		R029	1-216-025-91	RES, CHIP	100	5%	1/10W
Q354	8-729-422-27	TRANSISTOR 2SD601A-Q		R030	1-249-425-11	CARBON	4.7K	5%	1/4W
Q356	8-729-216-22	TRANSISTOR 2SA1162-G		R031		VARIANT (SEE VARIANT PARTS LIST)			
Q357	8-729-422-27	TRANSISTOR 2SD601A-Q		R032	1-247-815-91	CARBON	220	5%	1/4W
Q358	8-729-422-27	TRANSISTOR 2SD601A-Q		R036	1-216-049-91	RES, CHIP	1K	5%	1/10W
Q461	8-729-422-27	TRANSISTOR 2SD601A-Q		R037	1-216-049-91	RES, CHIP	1K	5%	1/10W
				R038	1-216-049-91	RES, CHIP	1K	5%	1/10W
				R039	1-247-807-31	CARBON	100	5%	1/4W



S SERIES
COMMON PARTS LISTING

<u>REF.NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REMARK</u>		<u>REF.NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REMARK</u>			
R044	1-216-033-00	RES, CHIP	220	5%	1/10W	R133	1-216-039-00	RES, CHIP	390	5%	1/10W
R046	1-247-815-91	CARBON	220	5%	1/4W	R135	1-216-073-00	RES, CHIP	10K	5%	1/10W
R047	1-249-417-11	CARBON	1K	5%	1/4W	R136	1-216-073-00	RES, CHIP	10K	5%	1/10W
R048	1-249-417-11	CARBON	1K	5%	1/4W	R137	1-216-049-91	RES, CHIP	1K	5%	1/10W
R049	1-249-417-11	CARBON	1K	5%	1/4W	R353	1-208-788-11	RES, CHIP	1.8K	0.50%	1/10W
R052	1-216-061-00	RES, CHIP	3.3K	5%	1/10W	R354	1-216-077-00	RES, CHIP	15K	5%	1/10W
R053	1-216-061-00	RES, CHIP	3.3K	5%	1/10W	R355	1-216-033-00	RES, CHIP	220	5%	1/10W
R054	1-216-061-00	RES, CHIP	3.3K	5%	1/10W	R356	1-216-033-00	RES, CHIP	220	5%	1/10W
R055	1-216-097-91	RES, CHIP	100K	5%	1/10W	R358	VARIANT (SEE VARIANT PARTS LIST)				
R056	1-216-033-00	RES, CHIP	220	5%	1/10W	R359	VARIANT (SEE VARIANT PARTS LIST)				
R057	1-249-417-11	CARBON	1K	5%	1/4W	R360	VARIANT (SEE VARIANT PARTS LIST)				
R058	1-216-033-00	RES, CHIP	220	5%	1/10W	R361	1-216-025-91	RES, CHIP	100	5%	1/10W
R059	VARIANT (SEE VARIANT PARTS LIST)					R362	1-216-025-91	RES, CHIP	100	5%	1/10W
R060	VARIANT (SEE VARIANT PARTS LIST)					R363	1-216-025-91	RES, CHIP	100	5%	1/10W
R061	VARIANT (SEE VARIANT PARTS LIST)					R364	1-216-101-00	RES, CHIP	150K	5%	1/10W
R062	VARIANT (SEE VARIANT PARTS LIST)					R365	VARIANT (SEE VARIANT PARTS LIST)				
R063	VARIANT (SEE VARIANT PARTS LIST)					R366	1-216-089-91	RES, CHIP	47K	5%	1/10W
R064	1-216-033-00	RES, CHIP	220	5%	1/10W	R367	1-216-097-91	RES, CHIP	100K	5%	1/10W
R065	1-216-033-00	RES, CHIP	220	5%	1/10W	R368	1-249-441-11	CARBON	100K	5%	1/4W
R066	1-216-033-00	RES, CHIP	220	5%	1/10W	R369	1-216-097-91	RES, CHIP	100K	5%	1/10W
R067	1-216-041-00	RES, CHIP	470	5%	1/10W	R370	1-249-417-11	CARBON	1K	5%	1/4W
R068	1-247-815-91	CARBON	220	5%	1/4W	R371	1-216-053-00	RES, CHIP	1.5K	5%	1/10W
R069	VARIANT (SEE VARIANT PARTS LIST)					R372	1-216-113-00	RES, CHIP	470K	5%	1/10W
R070	1-249-421-11	CARBON	2.2K	5%	1/4W	R373	1-216-073-00	RES, CHIP	10K	5%	1/10W
R071	1-247-815-91	CARBON	220	5%	1/4W	R374	VARIANT (SEE VARIANT PARTS LIST)				
R072	1-216-033-00	RES, CHIP	220	5%	1/10W	R375	1-216-025-91	RES, CHIP	100	5%	1/10W
R073	1-216-033-00	RES, CHIP	220	5%	1/10W	R376	1-216-073-00	RES, CHIP	10K	5%	1/10W
R074	1-216-033-00	RES, CHIP	220	5%	1/10W	R379	1-216-033-00	RES, CHIP	220	5%	1/10W
R075	1-216-033-00	RES, CHIP	220	5%	1/10W	R380	1-247-815-91	CARBON	220	5%	1/4W
R076	1-216-033-00	RES, CHIP	220	5%	1/10W	R381	1-247-815-91	CARBON	220	5%	1/4W
R077	1-216-033-00	RES, CHIP	220	5%	1/10W	R382	1-216-033-00	RES, CHIP	220	5%	1/10W
R078	1-249-417-11	CARBON	1K	5%	1/4W	R383	1-216-049-91	RES, CHIP	1K	5%	1/10W
R079	1-216-033-00	RES, CHIP	220	5%	1/10W	R384	1-216-109-00	RES, CHIP	330K	5%	1/10W
R080	1-216-065-91	RES, CHIP	4.7K	5%	1/10W	R385	1-249-422-11	CARBON	2.7K	5%	1/4W
R081	1-216-025-91	RES, CHIP	100	5%	1/10W	R386	VARIANT (SEE VARIANT PARTS LIST)				
R082	1-216-025-91	RES, CHIP	100	5%	1/10W	R387	1-216-049-91	RES, CHIP	1K	5%	1/10W
R083	1-249-429-11	CARBON	10K	5%	1/4W	R388	1-216-089-91	RES, CHIP	47K	5%	1/10W
R084	1-216-049-91	RES, CHIP	1K	5%	1/10W	R389	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R085	VARIANT (SEE VARIANT PARTS LIST)					R390	1-216-035-00	RES, CHIP	270	5%	1/10W
R087	1-247-815-91	CARBON	220	5%	1/4W	R391	1-208-810-11	RES, CHIP	15K	0.50%	1/10W
R092	1-249-429-11	CARBON	10K	5%	1/4W	R392	1-216-025-91	RES, CHIP	100	5%	1/10W
R093	1-249-387-11	CARBON	3.3	5%	1/4W	R393	1-216-043-91	RES, CHIP	560	5%	1/10W
R094	1-249-381-11	CARBON	1	5%	1/4W	R394	1-216-059-00	RES, CHIP	2.7K	5%	1/10W
R096	1-216-347-11	METAL	0.68	5%	1W	R395	1-216-061-00	RES, CHIP	3.3K	5%	1/10W
R097	1-216-065-91	RES, CHIP	4.7K	5%	1/10W	R396	1-249-417-11	CARBON	1K	5%	1/4W
R098	1-249-379-11	CARBON	0.68	5%	1/4W	R397	1-249-425-11	CARBON	4.7K	5%	1/4W
R099	1-216-065-91	RES, CHIP	4.7K	5%	1/10W	R461	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R131	1-216-035-00	RES, CHIP	270	5%	1/10W	R462	1-216-089-91	RES, CHIP	47K	5%	1/10W
R132	1-216-115-00	RES, CHIP	560K	5%	1/10W	R463	1-249-435-11	CARBON	33K	5%	1/4W

Note:

The components identified with shading and a critical symbol (Δ) are critical for safety. Replace only with part number specified.

Note:

The components identified by \blacksquare in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

**S SERIES
COMMON PARTS LISTING**
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REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK		
R464	1-216-097-91	RES, CHIP	100K	5%	1/10W	R538	1-247-887-00	CARBON	220K	5%	1/4W
R465	1-249-413-11	CARBON	470	5%	1/4W	R541		VARIANT (SEE VARIANT PARTS LIST)			
R466	1-249-388-11	CARBON	3.9	5%	1/4W	R542		VARIANT (SEE VARIANT PARTS LIST)			
R467	1-216-069-00	RES, CHIP	6.8K	5%	1/10W	R543	1-249-377-11	CARBON	0.47	5%	1/4W
R469		VARIANT (SEE VARIANT PARTS LIST)				R546		VARIANT (SEE VARIANT PARTS LIST)			
R470	1-216-077-00	RES, CHIP	15K	5%	1/10W	R547	1-215-457-00	METAL	33K	1%	1/4W
R471	1-216-069-00	RES, CHIP	6.8K	5%	1/10W	R549	1-215-437-00	METAL	4.7K	1%	1/4W
R472		VARIANT (SEE VARIANT PARTS LIST)				R550 Δ	1-249-377-11	CARBON	0.47	5%	1/4W
R473	1-249-398-11	CARBON	27	5%	1/4W	R551 Δ	1-215-873-00	METAL	4.7K	5%	1W
R474	1-216-077-00	RES, CHIP	15K	5%	1/10W	R552	1-216-069-00	RES, CHIP	6.8K	5%	1/10W
R475	1-249-430-11	CARBON	12K	5%	1/4W	R553 Δ	1-249-377-11	CARBON	0.47	5%	1/4W
R476	1-249-430-11	CARBON	12K	5%	1/4W	R554	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R477	1-249-398-11	CARBON	27	5%	1/4W	R561	1-216-073-00	RES, CHIP	10K	5%	1/10W
R478	1-249-418-11	CARBON	1.2K	5%	1/4W	R563 Δ	1-216-351-00	METAL	1.5	5%	1W
R479	1-249-418-11	CARBON	1.2K	5%	1/4W	R564	1-249-393-11	CARBON	10	5%	1/4W
R480	1-249-385-11	CARBON	2.2	5%	1/4W	R565 Δ	1-215-890-11	METAL	470	5%	2W
R481	1-249-385-11	CARBON	2.2	5%	1/4W	R566	1-216-073-00	RES, CHIP	10K	5%	1/10W
R482	1-249-421-11	CARBON	2.2K	5%	1/4W	R567 Δ	1-249-385-11	CARBON	2.2	5%	1/4W
R483	1-249-421-11	CARBON	2.2K	5%	1/4W	R568	1-216-073-00	RES, CHIP	10K	5%	1/10W
R501	1-216-037-00	RES, CHIP	330	5%	1/10W	R569	1-216-073-00	RES, CHIP	10K	5%	1/10W
R502	1-216-061-00	RES, CHIP	3.3K	5%	1/10W	R570	1-216-097-91	RES, CHIP	100K	5%	1/10W
R503	1-249-426-11	CARBON	5.6K	5%	1/4W	R571	1-216-081-00	RES, CHIP	22K	5%	1/10W
R504 Δ	1-215-915-11	METAL	470	5%	3W	R572	1-216-081-00	RES, CHIP	22K	5%	1/10W
R505	1-249-431-11	CARBON	15K	5%	1/4W	R573	1-216-097-91	RES, CHIP	100K	5%	1/10W
R506	1-215-861-00	METAL	47	5%	1W	R574 Δ	1-216-365-00	METAL	0.47	5%	2W
R507	1-249-401-11	CARBON	47	5%	1/4W	R575	1-216-113-00	RES, CHIP	470K	5%	1/10W
R508	1-249-427-11	CARBON	6.8K	5%	1/4W	R576	1-216-073-00	RES, CHIP	10K	5%	1/10W
R509	1-247-750-11	CARBON	680	5%	1/2W	R577	1-216-097-91	RES, CHIP	100K	5%	1/10W
R510 Δ	1-215-860-11	METAL	33	5%	1W	R578	1-208-784-11	RES, CHIP	1.2K	0.50%	1/10W
R511		VARIANT (SEE VARIANT PARTS LIST)				R579	1-208-842-11	RES, CHIP	330K	0.50%	1/10W
R512 Δ	1-215-886-11	METAL	100	5%	2W	R580	1-249-441-11	CARBON	100K	5%	1/4W
R515		VARIANT (SEE VARIANT PARTS LIST)				R1009		VARIANT (SEE VARIANT PARTS LIST)			
R516	1-216-057-00	RES, CHIP	2.2K	5%	1/10W	R1010		VARIANT (SEE VARIANT PARTS LIST)			
R517	1-249-415-11	CARBON	680	5%	1/4W	R1101	1-216-049-91	RES, CHIP	1K	5%	1/10W
R518	1-216-073-00	RES, CHIP	10K	5%	1/10W	R1102	1-215-900-11	METAL	22K	5%	2W
R519	1-249-411-11	CARBON	330	5%	1/4W	R1103	1-216-051-00	RES, CHIP	1.2K	5%	1/10W
R521 Δ	1-215-915-11	METAL	470	5%	3W	R1104	1-216-083-00	RES, CHIP	27K	5%	1/10W
R523		VARIANT (SEE VARIANT PARTS LIST)				R1105	1-216-689-11	RES, CHIP	39K	5%	1/10W
R524	1-249-429-11	CARBON	10K	5%	1/4W	R1106	1-216-049-91	RES, CHIP	1K	5%	1/10W
R525	1-216-071-00	RES, CHIP	8.2K	5%	1/10W	R1107	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R528	1-216-081-00	RES, CHIP	22K	5%	1/10W	R1108	1-216-073-00	RES, CHIP	10K	5%	1/10W
R529		VARIANT (SEE VARIANT PARTS LIST)				R1109	1-216-019-00	RES, CHIP	56	5%	1/10W
\blacksquare R530 Δ	1-208-808-11	RES, CHIP	12K	0.50%	1/10W	R1110	1-216-019-00	RES, CHIP	56	5%	1/10W
R531		VARIANT (SEE VARIANT PARTS LIST)				R1111	1-216-019-00	RES, CHIP	56	5%	1/10W
R532	1-208-760-11	RES, CHIP	120	0.50%	1/10W	R1115	1-216-045-00	RES, CHIP	680	5%	1/10W
R533		VARIANT (SEE VARIANT PARTS LIST)				R1117	1-249-425-11	CARBON	4.7K	5%	1/4W
R535		VARIANT (SEE VARIANT PARTS LIST)				R1118	1-249-425-11	CARBON	4.7K	5%	1/4W
R536 Δ	1-249-377-11	CARBON	0.47	5%	1/4W	R1120	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R537 Δ	1-249-377-11	CARBON	0.47	5%	1/4W	R1121	1-216-035-00	RES, CHIP	270	5%	1/10W



S SERIES
COMMON PARTS LISTING

<u>REF.NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REMARK</u>		<u>REF.NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REMARK</u>		
R1122	1-216-115-00	RES, CHIP	560K	5%	1/10W	R1288	1-247-807-31	CARBON	100	5% 1/4W
R1123	1-216-039-00	RES, CHIP	390	5%	1/10W	R1290	1-216-041-00	RES, CHIP	470	5% 1/10W
R1125	1-216-057-00	RES, CHIP	2.2K	5%	1/10W	R1291	1-216-045-00	RES, CHIP	680	5% 1/10W
R1126	1-216-035-00	RES, CHIP	270	5%	1/10W	R1292	1-216-065-91	RES, CHIP	4.7K	5% 1/10W
R1127	1-216-115-00	RES, CHIP	560K	5%	1/10W	R1293	1-216-065-91	RES, CHIP	4.7K	5% 1/10W
R1128	1-216-039-00	RES, CHIP	390	5%	1/10	R1294	1-216-049-91	RES, CHIP	1K	5% 1/10W
R1130	1-216-057-00	RES, CHIP	2.2K	5%	1/10W	R1295	1-216-049-91	RES, CHIP	1K	5% 1/10W
R1234	1-249-441-11	CARBON	100K	5%	1/4W	R1296		VARIANT (SEE VARIANT PARTS LIST)		
R1240	1-216-022-00	RES, CHIP	75	5%	1/10W	R1297		VARIANT (SEE VARIANT PARTS LIST)		
R1241	1-216-022-00	RES, CHIP	75	5%	1/10W	R1351	1-247-815-91	CARBON	220	5% 1/4W
R1242	1-216-065-91	RES, CHIP	4.7K	5%	1/10W	R1352	1-247-815-91	CARBON	220	5% 1/4W
R1243	1-249-441-11	CARBON	100K	5%	1/4W	R1353	1-247-815-91	CARBON	220	5% 1/4W
R1244	1-216-022-00	RES, CHIP	75	5%	1/10W	R1354	1-216-033-00	RES, CHIP	220	5% 1/10W
R1245	1-216-113-00	RES, CHIP	470K	5%	1/10W	R1355	1-216-025-91	RES, CHIP	100	5% 1/10W
R1246	1-216-065-91	RES, CHIP	4.7K	5%	1/10W	R1356	1-216-025-91	RES, CHIP	100	5% 1/10W
R1247	1-216-113-00	RES, CHIP	470K	5%	1/10W	R1357	1-216-025-91	RES, CHIP	100	5% 1/10W
R1248	1-216-065-91	RES, CHIP	4.7K	5%	1/10W	R1358	1-247-807-31	CARBON	100	5% 1/4W
R1249		VARIANT (SEE VARIANT PARTS LIST)				R1359	1-216-025-91	RES, CHIP	100	5% 1/10W
R1250		VARIANT (SEE VARIANT PARTS LIST)				R1360	1-216-069-00	RES, CHIP	6.8K	5% 1/10W
R1251		VARIANT (SEE VARIANT PARTS LIST)				R1361	1-216-065-91	RES, CHIP	4.7K	5% 1/10W
R1252		VARIANT (SEE VARIANT PARTS LIST)				R1362	1-216-295-91	SHORT		
R1253		VARIANT (SEE VARIANT PARTS LIST)				R1402	1-249-429-11	CARBON	10K	5% 1/4W
R1254	1-216-113-00	RES, CHIP	470K	5%	1/10W	R1404	1-249-429-11	CARBON	10K	5% 1/4W
R1255	1-216-049-91	RES, CHIP	1K	5%	1/10W	R1407	1-216-073-00	RES, CHIP	10K	5% 1/10W
R1256	1-216-113-00	RES, CHIP	470K	5%	1/10W	R1408	1-249-429-11	CARBON	10K	5% 1/4W
R1257	1-216-049-91	RES, CHIP	1K	5%	1/10W	R1409	1-249-429-11	CARBON	10K	5% 1/4W
R1258	1-216-061-00	RES, CHIP	3.3K	5%	1/10W	R1410	1-216-121-91	RES, CHIP	1M	5% 1/10W
R1259	1-216-097-91	RES, CHIP	100K	5%	1/10W	R1411	1-216-073-00	RES, CHIP	10K	5% 1/10W
R1260	1-216-061-00	RES, CHIP	3.3K	5%	1/10W	R1412	1-216-081-00	RES, CHIP	22K	5% 1/10W
R1261	1-216-033-00	RES, CHIP	220	5%	1/10W	R1413	1-216-089-91	RES, CHIP	47K	5% 1/10W
R1262	1-216-025-91	RES, CHIP	100	5%	1/10W	R1414	1-216-089-91	RES, CHIP	47K	5% 1/10W
R1263	1-216-033-00	RES, CHIP	220	5%	1/10W	R1415	1-216-025-91	RES, CHIP	100	5% 1/10W
R1264	1-216-025-91	RES, CHIP	100	5%	1/10W	R1418	1-216-081-00	RES, CHIP	22K	5% 1/10W
R1265	1-216-033-00	RES, CHIP	220	5%	1/10W	R1419	1-216-089-91	RES, CHIP	47K	5% 1/10W
R1266	1-216-025-91	RES, CHIP	100	5%	1/10W	R1420	1-216-089-91	RES, CHIP	47K	5% 1/10W
R1267	1-216-295-91	SHORT				R1421	1-216-025-91	RES, CHIP	100	5% 1/10W
R1268	1-216-025-91	RES, CHIP	100	5%	1/10W	R1424	1-247-815-91	CARBON	220	5% 1/4W
R1270	1-216-025-91	RES, CHIP	100	5%	1/10W	R1425	1-247-815-91	CARBON	220	5% 1/4W
R1273		VARIANT (SEE VARIANT PARTS LIST)								
R1274		VARIANT (SEE VARIANT PARTS LIST)							<u>SWITCH</u>	
R1277	1-247-815-91	CARBON	220	5%	1/4W	S001		VARIANT (SEE VARIANT PARTS LIST)		
R1278	1-247-815-91	CARBON	220	5%	1/4W	S002		VARIANT (SEE VARIANT PARTS LIST)		
R1280	1-216-025-91	RES, CHIP	100	5%	1/10W	S003		VARIANT (SEE VARIANT PARTS LIST)		
R1282	1-216-025-91	RES, CHIP	100	5%	1/10W	S004		VARIANT (SEE VARIANT PARTS LIST)		
R1283		VARIANT (SEE VARIANT PARTS LIST)				S005		VARIANT (SEE VARIANT PARTS LIST)		
R1284	1-247-807-31	CARBON	100	5%	1/4W	S006		VARIANT (SEE VARIANT PARTS LIST)		
R1286	1-216-049-91	RES, CHIP	1K	5%	1/10W	S007		VARIANT (SEE VARIANT PARTS LIST)		
R1287	1-216-049-91	RES, CHIP	1K	5%	1/10W	S501	1-572-707-11	SWITCH, LEVER		

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<u>TRANSFORMER</u>							
T501	1-437-210-11	TRANSFORMER, HORIZONTAL DRIVE					
T502		VARIANT (SEE VARIANT PARTS LIST)					
T503		VARIANT (SEE VARIANT PARTS LIST)					
T504		VARIANT (SEE VARIANT PARTS LIST)					
<u>TUNER</u>							
TU102		VARIANT (SEE VARIANT PARTS LIST)					
<u>CRYSTAL</u>							
X001	1-578-774-11	VIBRATOR, CRYSTAL					
X353	1-567-505-11	OSCILLATOR, CRYSTAL					
X354	1-577-611-11	OSCILLATOR, CERAMIC					

ELECTRICAL PARTS LIST (FOR V SERIES)

Note:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

The components identified by \blacksquare in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Note:

Les composants identifies per un trame et une marque Δ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
- F : nonflammable

CAPACITORS

- MF = μ F

INDUCTORS

- UH = μ H, MMH = mH

When indicating parts by reference number, please include the board name.

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK		
	A					C070	1-126-967-11	ELECT	47MF	20%	50V
						C071	1-164-096-11	CERAMIC CHIP	0.01MF		50V
						C072	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
						C075	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
						C353	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
						C354	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
						C355	1-126-959-11	ELECT	0.47MF	20%	50V
						C356	1-126-963-11	ELECT	4.7MF	20%	50V
						C357	1-126-959-11	ELECT	0.47MF	20%	50V
						C358	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
						C359	1-126-933-11	ELECT	100MF	20%	16V
						C363	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
						C364	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
						C365	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
						C366	1-130-495-00	FILM	0.1MF	5%	50V
						C367	1-130-495-00	FILM	0.1MF	5%	50V
						C368	1-130-495-00	FILM	0.1MF	5%	50V
						C369	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
						C370	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
						C371	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
C012	1-216-033-00	RES, CHIP	220	5%	1/10W	C372	1-126-959-11	ELECT	0.47MF	20%	50V
C013	1-216-121-91	RES, CHIP	1M	5%	1/10W	C373	1-126-960-11	ELECT	1MF	20%	50V
C014	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	C376	1-126-964-11	ELECT	10MF	20%	50V
C023	1-163-259-91	CERAMIC CHIP	220PF	5%	50V	C377	1-130-495-00	FILM	0.1MF	5%	50V
C028	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C378	1-130-495-00	FILM	0.1MF	5%	50V
C029	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C379	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C030	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	C380	1-126-935-11	ELECT	470MF	20%	16V
C035	1-163-237-11	CERAMIC CHIP	27PF	5%	50V	C381	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C036	1-163-231-11	CERAMIC CHIP	15PF	5%	50V	C383	1-130-495-00	FILM	0.1MF	5%	50V
C037	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	C385	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V
C038	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	C386	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C039	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	C387	1-126-961-11	ELECT	2.2MF	20%	50V
C040	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	C388	1-126-959-11	ELECT	0.47MF	20%	50V
C051	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C390	1-126-960-11	ELECT	1MF	20%	50V
C053	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C391	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C056	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	C392	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C061	1-163-033-91	CERAMIC CHIP	0.022MF		50V	C461		VARIANT(SEE VARIANT PARTS LIST)			
C062	1-163-033-91	CERAMIC CHIP	0.022MF		50V	C462		VARIANT(SEE VARIANT PARTS LIST)			
C063	1-126-935-11	ELECT	470MF	20%	16V						
C069		VARIANT(SEE VARIANT PARTS LIST)									



V SERIES
COMMON PARTS LISTING

Note:

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Note:

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<u>REF.NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REMARK</u>		<u>REF.NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REMARK</u>		
C463		VARIANT(SEE VARIANT PARTS LIST)			C542		VARIANT(SEE VARIANT PARTS LIST)			
C464		VARIANT(SEE VARIANT PARTS LIST)			C545	1-106-387-00	MYLAR	0.068MF	10% 200V	
C466		VARIANT(SEE VARIANT PARTS LIST)			C546	1-106-343-00	MYLAR	0.001MF	10% 100V	
C467		VARIANT(SEE VARIANT PARTS LIST)			C547	1-106-343-00	MYLAR	0.001MF	10% 100V	
C468		VARIANT(SEE VARIANT PARTS LIST)			C551	1-163-037-11	CERAMIC CHIP	0.022MF	10% 50V	
C470		VARIANT(SEE VARIANT PARTS LIST)			C561	1-126-967-11	ELECT	47MF	20% 50V	
C471		VARIANT(SEE VARIANT PARTS LIST)			C563	1-126-934-11	ELECT	220MF	20% 10V	
C472		VARIANT(SEE VARIANT PARTS LIST)			C564	1-126-960-11	ELECT	1MF	20% 50V	
C473		VARIANT(SEE VARIANT PARTS LIST)			C565	1-126-969-11	ELECT	220MF	20% 50V	
C474		VARIANT(SEE VARIANT PARTS LIST)			C566	1-126-964-11	ELECT	10MF	20% 50V	
C475		VARIANT(SEE VARIANT PARTS LIST)			C568	1-136-169-00	FILM	0.22MF	5% 50V	
C476		VARIANT(SEE VARIANT PARTS LIST)			C571	1-104-664-11	ELECT	47MF	20% 25V	
C477		VARIANT(SEE VARIANT PARTS LIST)			C1002	1-126-964-11	ELECT	10MF	20% 50V	
C478		VARIANT(SEE VARIANT PARTS LIST)			C1101	1-126-768-11	ELECT	2200MF	20% 16V	
C479		VARIANT(SEE VARIANT PARTS LIST)			C1103	1-126-965-11	ELECT	22MF	20% 50V	
C501	1-163-259-91	CERAMIC CHIP	220PF	5%	50V	C1104	1-104-664-11	ELECT	47MF	20% 16V
C502	1-126-959-11	ELECT	0.47MF	20%	50V	C1105	1-104-664-11	ELECT	47MF	20% 16V
C503	1-163-003-11	CERAMIC CHIP	330PF	10%	50V	C1106	1-126-964-11	ELECT	10MF	20% 50V
C504	1-102-212-00	CERAMIC CHIP	820PF	10%	500V	C1107	1-163-003-11	CERAMIC CHIP	330PF	10% 50V
C505	1-102-002-00	CERAMIC CHIP	680PF	10%	500V	C1108	1-126-960-11	ELECT	1MF	20% 50V
C506	1-106-383-00	MYLAR	0.047MF	10%	200V	C1109	1-126-964-11	ELECT	10MF	20% 50V
C507	△ 1-162-116-00	CERAMIC CHIP2	680PF	10%	2KV	C1110	1-163-227-11	CERAMIC CHIP	10PF	0.5PF 50V
C508	1-102-244-00	CERAMIC CHIP	220PF	10%	500V	C1111	1-163-227-11	CERAMIC CHIP	10PF	0.5PF 50V
C509	1-162-116-00	CERAMIC CHIP	680PF	10%	2KV	C1112	1-163-227-11	CERAMIC CHIP	10PF	0.5PF 50V
C510	1-137-150-11	MYLAR	0.01MF	10%	100V	C1351	1-163-251-11	CERAMIC CHIP	100PF	5% 50V
C511	△ 1-115-460-11	FILM	0.022MF	3%	1.2KV	C1352	1-126-933-11	ELECT	100MF	20% 16V
C513		VARIANT(SEE VARIANT PARTS LIST)			C1353	1-163-037-11	CERAMIC CHIP	0.022MF	10% 50V	
C514		VARIANT(SEE VARIANT PARTS LIST)			C1354	1-216-295-91	SHORT			
C515	1-106-343-00	MYLAR	0.001MF	10%	100V	C1501		VARIANT(SEE VARIANT PARTS LIST)		
C516	1-115-461-11	FILM	2MF	5%	200V					
C517	1-107-649-11	ELECT	2.2MF	20%	250V					
C518	1-106-395-00	MYLAR	0.15MF	10%	200V					
C519	1-162-815-11	CERAMIC CHIP	47PF	5%	500V					
C520		VARIANT(SEE VARIANT PARTS LIST)								
C521		VARIANT(SEE VARIANT PARTS LIST)								
C522	1-126-960-11	ELECT	1MF	20%	50V					
C525	1-102-244-00	CERAMIC CHIP	220PF	10%	500V					
C526	1-107-662-11	ELECT	22MF	20%	250V					
C527	1-162-116-00	CERAMIC CHIP	680PF	10%	2KV					
C528	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V					
C529	1-128-551-11	ELECT	22MF	20%	25V					
C530	1-137-366-11	FILM	0.0022MF	5%	50V					
C531	1-126-965-11	ELECT	22MF	20%	50V					
C532	1-126-965-11	ELECT	22MF	20%	50V					
C537		VARIANT(SEE VARIANT PARTS LIST)								
C539		VARIANT(SEE VARIANT PARTS LIST)								
C540	1-123-024-21	ELECT	33MF		160V	D001	8-719-991-33	DIODE 1SS133T-77		
C541	1-128-560-11	ELECT	22MF	20%	100V	D002	8-719-109-89	DIODE RD5.6ESB2		
		VARIANT(SEE VARIANT PARTS LIST)				D003	8-719-991-33	DIODE 1SS133T-77		

Note:

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Note:

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**V SERIES
COMMON PARTS LISTING**

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D004	8-719-110-17	DIODE RD10ESB2					<u>CHIP CONDUCTOR</u>
D011	8-719-983-20	DIODE MTZJ-T-77-4.3C		JR001		VARIANT(SEE VARIANT PARTS LIST)	
D013	8-719-991-33	DIODE 1SS133T-77		JR200	1-216-295-91	SHORT	
D014	8-719-991-33	DIODE 1SS133T-77		JR201		VARIANT(SEE VARIANT PARTS LIST)	
D015	8-719-991-33	DIODE 1SS133T-77		JR202		VARIANT(SEE VARIANT PARTS LIST)	
D353	8-719-991-33	DIODE 1SS133T-77		JR351		VARIANT(SEE VARIANT PARTS LIST)	
D356	8-719-991-33	DIODE 1SS133T-77		JR352		VARIANT(SEE VARIANT PARTS LIST)	
D360	8-719-110-17	DIODE RD10ESB2		JR463		VARIANT(SEE VARIANT PARTS LIST)	
D362	8-719-991-33	DIODE 1SS133T-77		JR501	1-216-295-91	SHORT	
D368		VARIANT(SEE VARIANT PARTS LIST)		JR1417		VARIANT(SEE VARIANT PARTS LIST)	
D462	8-719-991-33	DIODE 1SS133T-77		JR1454	1-216-295-91	SHORT	
D501	8-719-109-89	DIODE RD5.6ESB2		JR1455	1-216-295-91	SHORT	
D502	8-719-945-80	DIODE ERC06-15S		JR1801	1-216-295-91	SHORT	
D503	8-719-945-80	DIODE ERC06-15S		JR1802	1-216-295-91	SHORT	
D504	8-719-900-26	DIODE ERD29-08J		JR1803	1-216-295-91	SHORT	
D505	8-719-908-03	DIODE GP08D		JR1804	1-216-295-91	SHORT	
D506	8-719-908-03	DIODE GP08D		JR4120	1-216-295-91	SHORT	
D507	8-719-991-33	DIODE 1SS133T-77					<u>COIL</u>
D515	8-719-302-43	DIODE EL1Z		L001	1-408-421-00	INDUCTOR 100UH	
D516	8-719-991-33	DIODE 1SS133T-77		L002	1-408-421-00	INDUCTOR 100UH	
D518	8-719-991-33	DIODE 1SS133T-77		L003	1-410-470-11	INDUCTOR 10UH	
D519 Δ	8-719-302-43	DIODE EL1Z		L004	1-410-470-11	INDUCTOR 10UH	
D520	8-719-991-33	DIODE 1SS133T-77		L352	1-412-537-31	INDUCTOR 100UH	
D521	8-719-921-63	DIODE MTZJ-7.5B		L461		VARIANT(SEE VARIANT PARTS LIST)	
D530	8-719-979-85	DIODE EGP20G		L501 Δ	1-411-976-11	COIL, HORIZONTAL LINEARITY	
D531	8-719-979-85	DIODE EGP20G		L502	1-412-552-11	INDUCTOR 2.2MMH	
D534	8-719-302-43	DIODE EL1Z		L503	1-406-677-11	INDUCTOR	
D561	8-719-908-03	DIODE GP08D		L511	1-406-607-41	INDUCTOR	
D562	8-719-991-33	DIODE 1SS133T-77		L517	1-412-552-11	INDUCTOR 2.2MMH	
D1102	8-719-982-24	DIODE MTZJ-33A		L541		VARIANT(SEE VARIANT PARTS LIST)	
D1103	8-719-109-89	DIODE RD5.6ESB2		L1101	1-408-421-00	INDUCTOR 100UH	
D1263	8-719-110-17	DIODE RD10ESB2		L1102	1-410-470-11	INDUCTOR 10UH	
D1264	8-719-110-17	DIODE RD10ESB2					<u>FERRITE BEAD</u>
FB501	1-410-396-41	FERRITE 0.45UH					<u>IC LINK</u>
FB502	1-410-397-21	FERRITE 1.1UH		PS461		VARIANT(SEE VARIANT PARTS LIST)	
FB503	1-410-397-21	FERRITE 1.1UH					<u>TRANSISTOR</u>
IC001	8-752-897-18	IC CXP85840A-011S		Q001	8-729-216-22	TRANSISTOR 2SA1162-G	
IC002	8-759-527-74	IC M24C02-MN6T		Q002	8-729-422-27	TRANSISTOR 2SD601A-Q	
IC351	8-752-082-73	IC CXA2095S		Q003	8-729-422-27	TRANSISTOR 2SD601A-Q	
IC461		VARIANT(SEE VARIANT PARTS LIST)		Q004	8-729-216-22	TRANSISTOR 2SA1162-G	
IC501	8-759-700-07	IC NJM2903M		Q010	8-729-422-27	TRANSISTOR 2SD601A-Q	
IC561	8-759-980-58	IC TDA8172		Q011	8-729-422-27	TRANSISTOR 2SD601A-Q	
				Q012	8-729-422-27	TRANSISTOR 2SD601A-Q	
				Q013	8-729-422-27	TRANSISTOR 2SD601A-Q	



V SERIES
COMMON PARTS LISTING

Note:

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Note:

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<u>REF.NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REMARK</u>	<u>REF.NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REMARK</u>
Q014	8-729-422-27	TRANSISTOR 2SD601A-Q		R027	1-249-389-11	CARBON	4.7
Q015	8-729-422-27	TRANSISTOR 2SD601A-Q		R028	1-249-417-11	CARBON	1K
Q016	8-729-422-27	TRANSISTOR 2SD601A-Q		R029	1-216-025-91	RES, CHIP	100
Q017	8-729-216-22	TRANSISTOR 2SA1162-G		R030	1-249-425-11	CARBON	4.7K
Q301	8-729-216-22	TRANSISTOR 2SA1162-G		R031		VARIANT(SEE VARIANT PARTS LIST)	
Q302	8-729-216-22	TRANSISTOR 2SA1162-G		R032	1-247-815-91	CARBON	220
Q303	8-729-216-22	TRANSISTOR 2SA1162-G		R036	1-216-049-91	RES, CHIP	1K
Q354	8-729-422-27	TRANSISTOR 2SD601A-Q		R037	1-216-049-91	RES, CHIP	1K
Q356	8-729-216-22	TRANSISTOR 2SA1162-G		R038	1-216-049-91	RES, CHIP	1K
Q357	8-729-422-27	TRANSISTOR 2SD601A-Q		R039	1-247-807-31	CARBON	100
Q358	8-729-422-27	TRANSISTOR 2SD601A-Q		R040		VARIANT(SEE VARIANT PARTS LIST)	
Q461		VARIANT(SEE VARIANT PARTS LIST)		R041		VARIANT(SEE VARIANT PARTS LIST)	
Q462		VARIANT(SEE VARIANT PARTS LIST)		R042		VARIANT(SEE VARIANT PARTS LIST)	
Q501	8-729-140-50	TRANSISTOR 2SC3209LK		R044	1-216-033-00	RES, CHIP	220
Q502 Δ	8-729-035-75	TRANSISTOR 2SC5148(LBSONY)		R045		VARIANT(SEE VARIANT PARTS LIST)	
Q511 Δ	8-729-422-27	TRANSISTOR 2SD601A-Q		R046	1-247-815-91	CARBON	220
Q512 Δ	8-729-809-29	TRANSISTOR 2SC4159-E		R047	1-249-417-11	CARBON	1K
Q551	8-729-216-22	TRANSISTOR 2SA1162-G		R048	1-249-417-11	CARBON	1K
Q552	8-729-422-27	TRANSISTOR 2SD601A-Q		R049	1-249-417-11	CARBON	1K
Q561	8-729-422-27	TRANSISTOR 2SD601A-Q		R052	1-216-061-00	RES, CHIP	3.3K
Q562	8-729-422-27	TRANSISTOR 2SD601A-Q		R053	1-216-061-00	RES, CHIP	3.3K
Q563	8-729-105-08	TRANSISTOR 2SA1330-06		R054	1-216-061-00	RES, CHIP	3.3K
Q1102	8-729-119-78	TRANSISTOR 2SC2785-HFE		R055	1-216-097-91	RES, CHIP	100K
Q1103	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R056	1-216-033-00	RES, CHIP	220
RESISTOR							
R001	1-216-045-00	RES, CHIP	680	R057	1-249-417-11	CARBON	1K
R002	1-247-815-91	CARBON	220	R058	1-216-033-00	RES, CHIP	220
R003	1-216-097-91	RES, CHIP	100K	R064	1-216-033-00	RES, CHIP	220
R004	1-216-121-91	RES, CHIP	1M	R065	1-216-033-00	RES, CHIP	220
R006		VARIANT(SEE VARIANT PARTS LIST)		R066	1-216-033-00	RES, CHIP	220
R007	1-216-073-00	RES, CHIP	10K	R067	1-216-041-00	RES, CHIP	470
R008		VARIANT(SEE VARIANT PARTS LIST)		R068	1-247-815-91	CARBON	220
R009	1-216-073-00	RES, CHIP	10K	R069		VARIANT(SEE VARIANT PARTS LIST)	
R010	1-216-037-00	RES, CHIP	330	R070	1-249-421-11	CARBON	2.2K
R011	1-216-065-91	RES, CHIP	4.7K	R071	1-247-815-91	CARBON	220
R012		VARIANT(SEE VARIANT PARTS LIST)		R072	1-216-033-00	RES, CHIP	220
R013	1-216-065-91	RES, CHIP	4.7K	R073	1-216-033-00	RES, CHIP	220
R014	1-216-065-91	RES, CHIP	4.7K	R074	1-216-033-00	RES, CHIP	220
R015	1-216-073-00	RES, CHIP	10K	R075	1-216-033-00	RES, CHIP	220
R016	1-216-073-00	RES, CHIP	10K	R076	1-216-033-00	RES, CHIP	220
R019	1-249-425-11	CARBON	4.7K	R077	1-216-033-00	RES, CHIP	220
R020	1-216-065-91	RES, CHIP	4.7K	R078	1-249-417-11	CARBON	1K
R021	1-216-033-00	RES, CHIP	220	R079	1-216-033-00	RES, CHIP	220
R022	1-249-429-11	CARBON	10K	R080	1-216-065-91	RES, CHIP	4.7K
R023	1-216-089-91	RES, CHIP	47K	R081	1-216-025-91	RES, CHIP	100
R024	1-249-381-11	CARBON	1	R082	1-216-025-91	RES, CHIP	100
R025	1-163-010-11	CERAMIC CHIP	0.0012MF	R083	1-249-429-11	CARBON	10K
R026	1-163-038-91	CERAMIC CHIP	0.1MF	R084	1-216-049-91	RES, CHIP	1K
			50V	R085		VARIANT(SEE VARIANT PARTS LIST)	
			25V	R087	1-247-815-91	CARBON	220

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**V SERIES
COMMON PARTS LISTING**

REF.NO.	PART NO.	DESCRIPTION	REMARK		REF.NO.	PART NO.	DESCRIPTION	REMARK	
R088		VARIANT(SEE VARIANT PARTS LIST)			R389	1-216-067-00	RES, CHIP	5.6K	5% 1/10W
R089	1-216-033-00	RES, CHIP 220 5%	1/10W		R390	1-216-035-00	RES, CHIP	270	5% 1/10W
R090		VARIANT(SEE VARIANT PARTS LIST)			R391	1-208-810-11	RES, CHIP	15K	0.50% 1/10W
R092	1-249-429-11	CARBON 10K 5%	1/4W		R392	1-216-025-91	RES, CHIP	100	5% 1/10W
R093	1-249-387-11	CARBON 3.3 5%	1/4W		R393	1-216-043-91	RES, CHIP	560	5% 1/10W
R094	1-249-381-11	CARBON 1 5%	1/4W		R394	1-216-059-00	RES, CHIP	2.7K	5% 1/10W
R096	1-216-347-11	METAL OXIDE 0.68	5% 1W		R395	1-216-061-00	RES, CHIP	3.3K	5% 1/10W
R097	1-216-065-91	RES, CHIP 4.7K	5% 1/10W		R396	1-249-417-11	CARBON 1K	5%	1/4W
R099	1-216-065-91	RES, CHIP 4.7K	5% 1/10W		R397	1-249-425-11	CARBON 4.7K	5%	1/4W
R101	1-249-381-11	CARBON 1 5%	1/4W		R461		VARIANT(SEE VARIANT PARTS LIST)		
R131	1-216-035-00	RES, CHIP 270 5%	1/10W		R462		VARIANT(SEE VARIANT PARTS LIST)		
R132	1-216-115-00	RES, CHIP 560K 5%	1/10W		R463		VARIANT(SEE VARIANT PARTS LIST)		
R133	1-216-039-00	RES, CHIP 390 5%	1/10W		R464		VARIANT(SEE VARIANT PARTS LIST)		
R135	1-216-073-00	RES, CHIP 10K 5%	1/10W		R465		VARIANT(SEE VARIANT PARTS LIST)		
R136	1-216-073-00	RES, CHIP 10K 5%	1/10W		R466		VARIANT(SEE VARIANT PARTS LIST)		
R137	1-216-049-91	RES, CHIP 1K 5%	1/10W		R467		VARIANT(SEE VARIANT PARTS LIST)		
R353	1-208-788-11	RES, CHIP 1.8K 0.50%	1/10W		R469		VARIANT(SEE VARIANT PARTS LIST)		
R354	1-216-077-00	RES, CHIP 15K 5%	1/10W		R470		VARIANT(SEE VARIANT PARTS LIST)		
R355	1-216-033-00	RES, CHIP 220 5%	1/10W		R471		VARIANT(SEE VARIANT PARTS LIST)		
R356	1-216-033-00	RES, CHIP 220 5%	1/10W		R472		VARIANT(SEE VARIANT PARTS LIST)		
R358		VARIANT(SEE VARIANT PARTS LIST)			R473		VARIANT(SEE VARIANT PARTS LIST)		
R359		VARIANT(SEE VARIANT PARTS LIST)			R474		VARIANT(SEE VARIANT PARTS LIST)		
R360		VARIANT(SEE VARIANT PARTS LIST)			R475		VARIANT(SEE VARIANT PARTS LIST)		
R361	1-216-025-91	RES, CHIP 100 5%	1/10W		R476		VARIANT(SEE VARIANT PARTS LIST)		
R362	1-216-025-91	RES, CHIP 100 5%	1/10W		R477		VARIANT(SEE VARIANT PARTS LIST)		
R363	1-216-025-91	RES, CHIP 100 5%	1/10W		R478		VARIANT(SEE VARIANT PARTS LIST)		
R364	1-216-101-00	RES, CHIP 150K 5%	1/10W		R479		VARIANT(SEE VARIANT PARTS LIST)		
R365	1-216-101-00	RES, CHIP 150K 5%	1/10W		R480		VARIANT(SEE VARIANT PARTS LIST)		
R366	1-216-089-91	RES, CHIP 47K 5%	1/10W		R481		VARIANT(SEE VARIANT PARTS LIST)		
R367	1-216-097-91	RES, CHIP 100K 5%	1/10W		R482		VARIANT(SEE VARIANT PARTS LIST)		
R368	1-249-441-11	CARBON 100K 5%	1/4W		R483		VARIANT(SEE VARIANT PARTS LIST)		
R369	1-216-097-91	RES, CHIP 100K 5%	1/10W		R501	1-216-037-00	RES, CHIP	330	5% 1/10W
R370	1-249-417-11	CARBON 1K 5%	1/4W		R502	1-216-061-00	RES, CHIP	3.3K	5% 1/10W
R371	1-216-053-00	RES, CHIP 1.5K 5%	1/10W		R503	1-249-426-11	CARBON	5.6K	5% 1/4W
R372	1-216-113-00	RES, CHIP 470K 5%	1/10W		R504 Δ	1-215-915-11	METAL OXIDE	470	5% 3W
R373	1-216-073-00	RES, CHIP 10K 5%	1/10W		R505	1-249-431-11	CARBON	15K	5% 1/4W
R374	1-216-125-00	RES, CHIP 1.5M 5%	1/10W		R506	1-215-861-00	METAL OXIDE	47	5% 1W
R375	1-216-025-91	RES, CHIP 100 5%	1/10W		R507	1-249-401-11	CARBON	47	5% 1/4W
R376	1-216-073-00	RES, CHIP 10K 5%	1/10W		R508	1-249-427-11	CARBON	6.8K	5% 1/4W
R379	1-216-033-00	RES, CHIP 220 5%	1/10W		R509	1-247-750-11	CARBON	680	5% 1/2W
R380	1-247-815-91	CARBON 220 5%	1/4W		R510 Δ	1-215-860-11	METAL OXIDE	33	5% 1W
R381	1-247-815-91	CARBON 220 5%	1/4W		R511		VARIANT(SEE VARIANT PARTS LIST)		
R382	1-216-033-00	RES, CHIP 220 5%	1/10W		R512 Δ	1-215-886-11	METAL OXIDE	100	5% 2W
R383	1-216-049-91	RES, CHIP 1K 5%	1/10W		R515		VARIANT(SEE VARIANT PARTS LIST)		
R384	1-216-109-00	RES, CHIP 330K 5%	1/10W		R516	1-216-057-00	RES, CHIP	2.2K	5% 1/10W
R385	1-249-422-11	CARBON 2.7K 5%	1/4W		R517	1-249-415-11	CARBON	680	5% 1/4W
R386		VARIANT(SEE VARIANT PARTS LIST)			R518	1-216-073-00	RES, CHIP	10K	5% 1/10W
R387	1-216-049-91	RES, CHIP 1K 5%	1/10W		R519	1-249-411-11	CARBON	330	5% 1/4W
R388	1-216-089-91	RES, CHIP 47K 5%	1/10W		R521	1-215-915-11	METAL OXIDE	470	5% 3W



V SERIES
COMMON PARTS LISTING

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Note:

The components identified by \blacksquare in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R523		VARIANT(SEE VARIANT PARTS LIST)		R1107	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
R524	1-249-429-11	CARBON 10K 5%	1/4W	R1108	1-216-073-00	RES, CHIP	10K 5% 1/10W
R525	1-216-071-00	RES, CHIP 8.2K 5%	1/10W	R1109	1-216-019-00	RES, CHIP	56 5% 1/10W
R528	1-216-081-00	RES, CHIP 22K 5%	1/10W	R1110	1-216-019-00	RES, CHIP	56 5% 1/10W
R529		VARIANT(SEE VARIANT PARTS LIST)		R1111	1-216-019-00	RES, CHIP	56 5% 1/10W
\blacksquare R530 Δ	1-208-808-11	RES, CHIP 12K 0.50%	1/10W	R1115	1-216-045-00	RES, CHIP	680 5% 1/10W
R531		VARIANT(SEE VARIANT PARTS LIST)		R1117	1-249-425-11	CARBON	4.7K 5% 1/4W
R532	1-208-760-11	RES, CHIP 120 0.50%	1/10W	R1118	1-249-425-11	CARBON	4.7K 5% 1/4W
R533		VARIANT(SEE VARIANT PARTS LIST)		R1120	1-216-057-00	RES, CHIP	2.2K 5% 1/10W
R535	1-216-101-00	RES, CHIP 150K 5%	1/10W	R1121	1-216-035-00	RES, CHIP	270 5% 1/10W
R536 Δ	1-249-377-11	CARBON 0.47 5%	1/4W	R1122	1-216-115-00	RES, CHIP	560K 5% 1/10W
R537 Δ	1-249-377-11	CARBON 0.47 5%	1/4W	R1123	1-216-039-00	RES, CHIP	390 5% 1/10W
R538	1-247-887-00	CARBON 220K 5%	1/4W	R1125	1-216-057-00	RES, CHIP	2.2K 5% 1/10W
R541		VARIANT(SEE VARIANT PARTS LIST)		R1126	1-216-035-00	RES, CHIP	270 5% 1/10W
R542		VARIANT(SEE VARIANT PARTS LIST)		R1127	1-216-115-00	RES, CHIP	560K 5% 1/10W
R543	1-249-377-11	CARBON 0.47 5%	1/4W	R1128	1-216-039-00	RES, CHIP	390 5% 1/10W
R546		VARIANT(SEE VARIANT PARTS LIST)		R1130	1-216-057-00	RES, CHIP	2.2K 5% 1/10W
R547	1-215-457-00	METAL OXIDE 33K 1%	1/4W	R1351	1-247-815-91	CARBON	220 5% 1/4W
R549	1-215-437-00	METAL OXIDE 4.7K 1%	1/4W	R1352	1-247-815-91	CARBON	220 5% 1/4W
R550 Δ	1-249-377-11	CARBON 0.47 5%	1/4W	R1353	1-247-815-91	CARBON	220 5% 1/4W
R551 Δ	1-215-873-00	METAL OXIDE 4.7K 5%	1W	R1354	1-216-033-00	RES, CHIP	220 5% 1/10W
R552	1-216-069-00	RES, CHIP 6.8K 5%	1/10W	R1355	1-216-025-91	RES, CHIP	100 5% 1/10W
R553 Δ	1-249-377-11	CARBON 0.47 5%	1/4W	R1356	1-216-025-91	RES, CHIP	100 5% 1/10W
R554	1-216-057-00	RES, CHIP 2.2K 5%	1/10W	R1357	1-216-025-91	RES, CHIP	100 5% 1/10W
R561	1-216-073-00	RES, CHIP 10K 5%	1/10W	R1358	1-247-807-31	CARBON	100 5% 1/4W
R563 Δ	1-216-351-00	METAL OXIDE 1.5 5%	1W	R1359	1-216-025-91	RES, CHIP	100 5% 1/10W
R564	1-249-393-11	CARBON 10 5%	1/4W	R1360	1-216-069-00	RES, CHIP	6.8K 5% 1/10W
R565 Δ	1-215-890-11	METAL OXIDE 470 5%	2W	R1361	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
R566	1-216-073-00	RES, CHIP 10K 5%	1/10W	R1362	1-216-295-91	SHORT	
R567 Δ	1-249-385-11	CARBON 2.2 5%	1/4W			<u>SWITCH</u>	
R568	1-216-073-00	RES, CHIP 10K 5%	1/10W	S501	1-572-707-11	SWITCH, LEVER	
R569	1-216-073-00	RES, CHIP 10K 5%	1/10W			<u>TRANSFORMER</u>	
R570	1-216-097-91	RES, CHIP 100K 5%	1/10W	T501	1-437-210-11	TRANSFORMER, HORIZONTAL DRIVE	
R571	1-216-081-00	RES, CHIP 22K 5%	1/10W	T502		VARIANT(SEE VARIANT PARTS LIST)	
R572	1-216-081-00	RES, CHIP 22K 5%	1/10W	T503		VARIANT(SEE VARIANT PARTS LIST)	
R573	1-216-097-91	RES, CHIP 100K 5%	1/10W	T504		VARIANT(SEE VARIANT PARTS LIST)	
R574 Δ	1-216-365-00	METAL OXIDE 0.47 5%	2W			<u>TUNER</u>	
R575	1-216-113-00	RES, CHIP 470K 5%	1/10W	TU102 Δ	8-598-431-00	TUNER, FSS BTF-WA411	
R576	1-216-073-00	RES, CHIP 10K 5%	1/10W			<u>CRYSTAL</u>	
R577	1-216-097-91	RES, CHIP 100K 5%	1/10W	X001	1-578-774-11	VIBRATOR, CRYSTAL	
R578	1-208-784-11	RES, CHIP 1.2K 0.50%	1/10W	X353	1-567-505-11	OSCILLATOR, CRYSTAL	
R579	1-208-842-11	RES, CHIP 330K 0.50%	1/10W	X354	1-577-611-11	OSCILLATOR, CERAMIC CHIP	
R580	1-249-441-11	CARBON 100K 5%	1/4W				
R1101	1-216-049-91	RES, CHIP 1K 5%	1/10W				
R1102	1-215-900-11	METAL OXIDE 22K 5%	2W				
R1103	1-216-051-00	RES, CHIP 1.2K 5%	1/10W				
R1104	1-216-083-00	RES, CHIP 27K 5%	1/10W				
R1105	1-216-689-11	RES, CHIP 39K 5%	1/10W				
R1106	1-216-049-91	RES, CHIP 1K 5%	1/10W				

A**S SERIES**
BOARD VARIANT PARTS LIST

The parts on this page belong to the following model(s) only:

KV-32S40/34SL40/34SL40C**Note:**

The components identified with shading and a critical symbol (Δ) are critical for safety. Replace only with part number specified.

Note:

The components identified by \blacksquare in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

REF.NO.	PART NO.	DESCRIPTION	REMARK					
A BOARD VARIANT LIST: KV-32S40/34SL40/34SL40C								
* A-1298-630-A A BOARD, COMPLETE								
CAPACITOR								
C068	1-164-096-11	CERAMIC CHIP	0.01MF	50V				
C370	1-163-037-11	CERAMIC CHIP	0.022MF	10% 50V				
C375	1-165-319-11	CERAMIC CHIP	0.1MF	50V				
C513 Δ	1-130-895-00	FILM	0.056MF	5% 400V				
C514 Δ	1-104-844-11	FILM	0.62MF	5% 200V				
C520	1-164-645-11	CERAMIC CHIP	1000PF	10% 500V				
C521	1-164-161-11	CERAMIC CHIP	0.0022MF	10% 50V				
C537	1-126-941-11	ELECT	470MF	20% 25V				
C539 Δ	1-126-935-11	ELECT	470MF	20% 16V				
C1501	1-115-462-11	FILM	0.12MF	5% 200V				
DIODE								
D005	8-719-991-33	DIODE 1SS133T-77						
D006	1-810-039-31	LED UNIT						
IC								
IC003	8-742-014-11	HYB IC SBX1981-51						
IC1261	8-759-366-77	IC MM1311AD						
CHIP CONDUCTOR								
JR351	1-216-295-91	SHORT						
JR352	1-216-295-91	SHORT						
JR1264	1-216-295-91	SHORT						
RESISTOR								
R059	1-216-047-91	RES, CHIP	820	5% 1/10W				
R060	1-216-049-91	RES, CHIP	1K	5% 1/10W				
R061	1-216-055-00	RES, CHIP	1.8K	5% 1/10W				
R062	1-216-065-91	RES, CHIP	4.7K	5% 1/10W				
R063	1-216-073-00	RES, CHIP	10K	5% 1/10W				
R365	1-216-101-00	RES, CHIP	150K	5% 1/10W				
R374	1-216-125-00	RES, CHIP	1.5M	5% 1/10W				
R469	1-216-069-00	RES, CHIP	6.8K	5% 1/10W				
R472	1-216-069-00	RES, CHIP	6.8K	5% 1/10W				
R511 Δ	1-215-885-00	METAL	68	5% 2W				
R515	1-216-083-00	RES, CHIP	27K	5% 1/10W				
R523	1-216-073-00	RES, CHIP	10K	5% 1/10W				
R529	1-208-814-11	RES, CHIP	22K	0.50% 1/10W				
\blacksquare R531 Δ	1-208-826-11	RES, CHIP	68K	0.50% 1/10W				
R533 Δ	1-215-902-11	METAL	47K	5% 1W				

Note:

The components identified with shading and a critical symbol (Δ) are critical for safety. Replace only with part number specified.

Note:

The components identified by \blacksquare in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

The parts on this page belong to the following model(s) only:

KV-32S45/34SL45

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK									
A BOARD VARIANT LIST: KV-32S45/34SL45																		
* A-1298-631-A A BOARD, COMPLETE																		
<u>CAPACITOR</u>																		
C370	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V	R523	1-216-073-00	RES, CHIP	10K	5%	1/10W							
C513 Δ	1-130-895-00	FILM	0.056MF	5%	400V	R529	1-208-814-11	RES, CHIP	22K	0.50%	1/10W							
C514 Δ	1-104-844-11	FILM	0.62MF	5%	200V	\blacksquare R531 Δ	1-208-826-11	RES, CHIP	68K	0.50%	1/10W							
C520	1-164-645-11	CERAMIC CHIP	1000PF	10%	500V	R533 Δ	1-215-902-11	METAL	47K	5%	1W							
C521	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	R535	1-216-101-00	RES, CHIP	150K	5%	1/10W							
C537	1-126-941-11	ELECT	470MF	20%	25V	R546	1-215-453-00	METAL	22K	1%	1/4W							
C539 Δ	1-126-935-11	ELECT	470MF	20%	16V	R1249	1-216-022-00	RES, CHIP	75	5%	1/10W							
C1241	1-136-161-00	FILM	0.047MF	5%	50V	R1250	1-216-113-00	RES, CHIP	470K	5%	1/10W							
C1242	1-126-960-11	ELECT	1MF	20%	50V	R1251	1-216-065-91	RES, CHIP	4.7K	5%	1/10W							
C1243	1-126-960-11	ELECT	1MF	20%	50V	R1252	1-216-113-00	RES, CHIP	470K	5%	1/10W							
C1501	1-115-462-11	FILM	0.12MF	5%	200V	R1253	1-216-065-91	RES, CHIP	4.7K	5%	1/10W							
<u>CONNECTOR</u>																		
CN1001*	1-564-512-11	PLUG, CONNECTOR 9P				R1273	1-216-033-00	RES, CHIP	220	5%	1/10W							
CN3001	1-573-298-11	CONNECTOR, BOARD TO BOARD				R1274	1-216-025-91	RES, CHIP	100	5%	1/10W							
<u>DIODE</u>																		
D368	8-719-991-33	DIODE 1SS133T-77				R1283	1-247-791-91	CARBON	22	5%	1/4W							
<u>IC</u>																		
IC1261	8-759-534-81	IC MM1313AD				R1297	1-216-025-91	RES, CHIP	100	5%	1/10W							
<u>JACK</u>																		
J1233	1-774-749-11	JACK BLOCK, PIN				<u>TRANSFORMER</u>												
<u>RESISTOR</u>																		
R012	1-216-033-00	RES, CHIP	220	5%	1/10W	T502 Δ	1-424-545-11	TRANSFORMER FERRITE (PMT)										
R022	1-249-429-11	CARBON	10K	5%	1/4W	T503 Δ	1-453-207-11	FLYBACK TRANSFORMER ASSY, NX-2609//X4C										
R031	1-247-815-91	CARBON	220	5%	1/4W	<u>TUNER</u>												
R358	1-247-815-91	CARBON	220	5%	1/4W	TU102 Δ	8-598-431-00	TUNER, FSS BTF-WA411										
R359	1-247-815-91	CARBON	220	5%	1/4W													
R360	1-247-815-91	CARBON	220	5%	1/4W													
R365	1-216-101-00	RES, CHIP	150K	5%	1/10W													
R374	1-216-125-00	RES, CHIP	1.5M	5%	1/10W													
R386	1-216-049-91	RES, CHIP	1K	5%	1/10W													
R469	1-216-069-00	RES, CHIP	6.8K	5%	1/10W													
R472	1-216-069-00	RES, CHIP	6.8K	5%	1/10W													
R511 Δ	1-215-885-00	METAL	68	5%	2W													
R515	1-216-083-00	RES, CHIP	27K	5%	1/10W													

A**S SERIES**
BOARD VARIANT PARTS LIST

The parts on this page belong to the following model(s) only:

KV-35S40**Note:**

The components identified with shading and a critical symbol (Δ) are critical for safety. Replace only with part number specified.

Note:

The components identified by \blacksquare in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK								
A BOARD VARIANT LIST: KV-35S40																	
* A-1298-645-A A BOARD COMPLETE																	
<u>CAPACITOR</u>																	
C069	1-126-964-11	ELECT	10MF	20%	50V	R469	1-216-065-91	RES, CHIP	4.7K	5%	1/10W						
C370	1-163-035-00	CERAMIC CHIP	0.047MF		50V	R472	1-216-065-91	RES, CHIP	4.7K	5%	1/10W						
C375	1-165-319-11	CERAMIC CHIP	0.1MF		50V	R511 Δ	1-215-886-11	METAL	100	5%	2W						
C513 Δ	1-129-720-00	FILM	0.033MF	5%	630V	R515	1-216-077-00	RES, CHIP	15K	5%	1/10W						
C514 Δ	1-136-540-11	FILM	0.82MF	5%	200V	R523	1-216-071-00	RES, CHIP	8.2K	5%	1/10W						
C520	1-101-821-00	CERAMIC CHIP	0.0022MF		500V	R529	1-208-812-11	RES, CHIP	18K	0.50%	1/10W						
C521	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V	\blacksquare R531 Δ	1-208-838-11	RES, CHIP	220K	0.50%	1/10W						
C537	1-126-942-61	ELECT	1000MF	20%	25V	R533 Δ	1-215-878-00	METAL	33K	5%	1W						
C539 Δ	1-126-942-61	ELECT	1000MF	20%	25V	R535	1-216-103-00	RES, CHIP	180K	5%	1/10W						
C542	1-106-383-00	MYLAR	0.047MF	10%	200V	R541	1-249-377-11	CARBON	0.47	5%	1/4W						
C1241	1-136-161-00	FILM	0.047MF	5%	50V	R542	1-249-397-11	CARBON	22	5%	1/4W						
C1242	1-126-960-11	ELECT	1MF	20%	50V	R546	1-215-451-00	METAL	18K	1%	1/4W						
C1243	1-126-960-11	ELECT	1MF	20%	50V	R1249	1-216-022-00	RES, CHIP	75	5%	1/10W						
<u>CONNECTOR</u>																	
CN1001*	1-564-512-11	PLUG, CONNECTOR 9P				R1250	1-216-113-00	RES, CHIP	470K	5%	1/10W						
<u>IC</u>																	
IC1261	8-759-366-77	IC MM1311AD				R1251	1-216-065-91	RES, CHIP	4.7K	5%	1/10W						
<u>JACK</u>																	
J1233	1-774-749-11	JACK BLOCK, PIN				R1252	1-216-033-00	RES, CHIP	220	5%	1/10W						
<u>CHIP CONDUCTOR</u>																	
JR351	1-216-295-91	SHORT				R1253	1-216-025-91	RES, CHIP	100	5%	1/10W						
JR352	1-216-295-91	SHORT				R1274	1-247-791-91	CARBON	22	5%	1/4W						
JR1264	1-216-295-91	SHORT				R1283	1-216-025-91	RES, CHIP	100	5%	1/10W						
<u>COIL</u>																	
L541	1-406-677-11	INDUCTOR				R1296	1-216-025-91	RES, CHIP									
<u>RESISTOR</u>																	
R022	1-249-429-11	CARBON	10K	5%	1/4W	<u>TRANSFORMER</u>											
R069	1-216-073-00	RES, CHIP	10K	5%	1/10W	T502 Δ	1-429-408-11	TRANSFORMER FERRITE (PMT)									
R085	1-216-073-00	RES, CHIP	10K	5%	1/10W	T503 Δ	X-4034-797-1	FLYBACK TRANSFORMER ASSY, NX-3005//J1C									
R365	1-216-097-91	RES, CHIP	100K	5%	1/10W	T504	1-413-059-00	TRANSFORMER FERRITE (DFT)									
R374	1-216-121-91	RES, CHIP	1M	5%	1/10W	<u>TUNER</u>											
TU102 Δ 8-598-431-00 TUNER, FSS BTF-WA411																	

Note:

The components identified with shading and a critical symbol (Δ) are critical for safety. Replace only with part number specified.

Note:

The components identified by □ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

The parts on this page belong to the following model(s) only:

KV-35S45/37SL45

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK								
A BOARD VARIANT LIST: KV-35S45/37SL45																	
* A-1298-646-A A BOARD, COMPLETE																	
<u>CAPACITOR</u>																	
C069	1-126-964-11	ELECT	10MF	20%	50V	R386	1-216-049-91	RES, CHIP	1K	5%	1/10W						
C370	1-163-035-00	CERAMIC CHIP	0.047MF		50V	R469	1-216-065-91	RES, CHIP	4.7K	5%	1/10W						
C513 △	1-129-720-00	FILM	0.033MF	5%	630V	R472	1-216-065-91	RES, CHIP	4.7K	5%	1/10W						
C514 △	1-136-540-11	FILM	0.82MF	5%	200V	R511 △	1-215-886-11	METAL	100	5%	2W						
C520	1-101-821-00	CERAMIC CHIP	0.0022MF		500V	R515	1-216-077-00	RES, CHIP	15K	5%	1/10W						
C521	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V	R523	1-216-071-00	RES, CHIP	8.2K	5%	1/10W						
C537	1-126-942-61	ELECT	1000MF	20%	25V	R529	1-208-812-11	RES, CHIP	18K	0.50%	1/10W						
C539 △	1-126-942-61	ELECT	1000MF	20%	25V	☒ R531 △	1-208-838-11	RES, CHIP	220K	0.50%	1/10W						
C542	1-106-383-00	MYLAR	0.047MF	10%	200V	R533 △	1-215-878-00	METAL	33K	5%	1W						
C1241	1-136-161-00	FILM	0.047MF	5%	50V	R535	1-216-103-00	RES, CHIP	180K	5%	1/10W						
C1242	1-126-960-11	ELECT	1MF	20%	50V	R541	1-249-377-11	CARBON	0.47	5%	1/4W						
C1243	1-126-960-11	ELECT	1MF	20%	50V	R542	1-249-397-11	CARBON	22	5%	1/4W						
<u>CONNECTOR</u>																	
CN1001*	1-564-512-11	PLUG, CONNECTOR 9P				R546	1-215-451-00	METAL	18K	1%	1/4W						
CN3001	1-573-298-11	CONNECTOR, BOARD TO BOARD				R1249	1-216-022-00	RES, CHIP	75	5%	1/10W						
<u>DIODE</u>																	
D368	8-719-991-33	DIODE 1SS133T-77				R1250	1-216-113-00	RES, CHIP	470K	5%	1/10W						
<u>IC</u>																	
IC1261	8-759-534-81	IC MM1313AD				R1251	1-216-065-91	RES, CHIP	4.7K	5%	1/10W						
<u>JACK</u>																	
J1233	1-774-749-11	JACK BLOCK, PIN				R1252	1-216-113-00	RES, CHIP	470K	5%	1/10W						
<u>COIL</u>																	
L541	1-406-677-11	INDUCTOR				R1253	1-216-065-91	RES, CHIP	4.7K	5%	1/10W						
<u>RESISTOR</u>																	
R012	1-216-033-00	RES, CHIP	220	5%	1/10W	R1273	1-216-033-00	RES, CHIP	220	5%	1/10W						
R022	1-249-429-11	CARBON	10K	5%	1/4W	R1274	1-216-025-91	RES, CHIP	100	5%	1/10W						
R031	1-247-815-91	CARBON	220	5%	1/4W	R1283	1-247-791-91	CARBON	22	5%	1/4W						
R069	1-216-073-00	RES, CHIP	10K	5%	1/10W	R1297	1-216-025-91	RES, CHIP	100	5%	1/10W						
R085	1-216-073-00	RES, CHIP	10K	5%	1/10W	<u>TRANSFORMER</u>											
R358	1-247-815-91	CARBON	220	5%	1/4W	T502 △	1-429-408-11	TRANSFORMER FERRITE (PMT)									
R359	1-247-815-91	CARBON	220	5%	1/4W	T503 △	X-4034-797-1	FLYBACK TRANSFORMER ASSY, NX-3005//J1C									
R360	1-247-815-91	CARBON	220	5%	1/4W	T504	1-413-059-00	TRANSFORMER FERRITE (DFT)									
R365	1-216-097-91	RES, CHIP	100K	5%	1/10W	<u>TUNER</u>											
R374	1-216-121-91	RES, CHIP	1M	5%	1/10W	TU102 △	8-598-431-00	TUNER, FSS 2BTF-WA411									

A
S SERIES
BOARD VARIANT PARTS LIST

The parts on this page belong to the following model(s) only:

KV-34SL40T**Note:**

The components identified with shading and a critical symbol (Δ) are critical for safety. Replace only with part number specified.

Note:

The components identified by □ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

REF.NO.	PART NO.	DESCRIPTION	REMARK					
A BOARD VARIANT LIST: KV-34SL40T								
* A-1298-661-A A BOARD, COMPLETE								
CAPACITOR								
C068	1-164-096-11	CERAMIC CHIP	0.01MF	50V				
C370	1-163-037-11	CERAMIC CHIP	0.022MF	10% 50V				
C375	1-165-319-11	CERAMIC CHIP	0.1MF	50V				
C513 △	1-130-895-00	FILM	0.056MF	5% 400V				
C514 △	1-104-844-11	FILM	0.62MF	5% 200V				
C520	1-164-645-11	CERAMIC CHIP	1000PF	10% 500V				
C521	1-164-161-11	CERAMIC CHIP	0.0022MF	10% 50V				
C537	1-126-941-11	ELECT	470MF	20% 25V				
C539 △	1-126-935-11	ELECT	470MF	20% 16V				
C1501	1-115-462-11	FILM	0.12MF	5% 200V				
DIODE								
D005	8-719-991-33	DIODE 1SS133T-77						
D006	1-810-039-31	LED UNIT						
IC								
IC003	8-742-014-11	HYB IC SBX1981-51						
IC1261	8-759-366-77	IC MM1311AD						
CHIP CONDUCTOR								
JR351	1-216-295-91	SHORT						
JR352	1-216-295-91	SHORT						
JR1264	1-216-295-91	SHORT						
RESISTOR								
R059	1-216-047-91	RES, CHIP	820	5% 1/10W				
R060	1-216-049-91	RES, CHIP	1K	5% 1/10W				
R061	1-216-055-00	RES, CHIP	1.8K	5% 1/10W				
R062	1-216-065-91	RES, CHIP	4.7K	5% 1/10W				
R063	1-216-073-00	RES, CHIP	10K	5% 1/10W				
R365	1-216-101-00	RES, CHIP	150K	5% 1/10W				
R374	1-216-125-00	RES, CHIP	1.5M	5% 1/10W				
R469	1-216-069-00	RES, CHIP	6.8K	5% 1/10W				
R472	1-216-069-00	RES, CHIP	6.8K	5% 1/10W				
R511 △	1-215-885-00	METAL	68	5% 2W				
R515	1-216-083-00	RES, CHIP	27K	5% 1/10W				
R523	1-216-073-00	RES, CHIP	10K	5% 1/10W				
R529	1-208-814-11	RES, CHIP	22K	0.50% 1/10W				
☒ R531 △	1-208-826-11	RES, CHIP	68K	0.50% 1/10W				
R533 △	1-215-902-11	METAL	47K	5% 1W				



V SERIES
BOARD VARIANT PARTS LIST

Note:

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Note:

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The parts on this page belong to the following model(s) only:

KV-32V40

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK								
A BOARD VARIANT LIST: KV-32V40																	
* A-1298-611-A A BOARD, COMPLETE																	
<u>CAPACITOR</u>																	
C461	1-126-964-11	ELECT	10MF	20%	50V	Q461	8-729-422-27	TRANSISTOR 2SD601A-Q									
C462	1-126-961-11	ELECT	2.2MF	20%	50V	Q462	8-729-216-22	TRANSISTOR 2SA1162-G									
C463	1-126-961-11	ELECT	2.2MF	20%	50V	Q1103	8-729-422-27	TRANSISTOR 2SD601A-Q									
C464	1-163-017-00	CERAMIC	0.0047MF	10%	50V	<u>RESISTOR</u>											
C466	1-104-666-11	ELECT	220MF	20%	25V	R461	1-216-065-91	RES, CHIP	4.7K	5%	1/10W						
C467	1-163-017-00	CERAMIC	0.0047MF	10%	50V	R462	1-216-089-91	RES, CHIP	47K	5%	1/10W						
C468	1-104-664-11	ELECT	47MF	20%	25V	R463	1-249-435-11	CARBON	33K	5%	1/4W						
C470	1-126-961-11	ELECT	2.2MF	20%	50V	R464	1-216-097-91	RES, CHIP	100K	5%	1/10W						
C471	1-104-666-11	ELECT	220MF	20%	25V	R465	1-249-413-11	CARBON	470	5%	1/4W						
C472	1-136-173-00	FILM	0.47MF	5%	50V	R466	1-249-385-11	CARBON	2.2	5%	1/4W						
C473	1-136-169-00	FILM	0.22MF	5%	50V	R467	1-216-069-00	RES, CHIP	6.8K	5%	1/10W						
C474	1-126-942-61	ELECT	1000MF	20%	25V	R469	1-216-055-00	RES, CHIP	1.8K	5%	1/10W						
C475	1-136-169-00	FILM	0.22MF	5%	50V	R470	1-216-077-00	RES, CHIP	15K	5%	1/10W						
C476	1-126-942-61	ELECT	1000MF	20%	25V	R471	1-216-069-00	RES, CHIP	6.8K	5%	1/10W						
C477	1-126-942-61	ELECT	1000MF	20%	25V	R472	1-216-055-00	RES, CHIP	1.8K	5%	1/10W						
C513 Δ	1-130-895-00	FILM	0.056MF	5%	400V	R473	1-249-398-11	CARBON	27	5%	1/4W						
C514 Δ	1-104-844-11	FILM	0.62MF	5%	200V	R474	1-216-077-00	RES, CHIP	15K	5%	1/10W						
C520	1-164-645-11	CERAMIC CHIP	1000PF	10%	500V	R475	1-249-430-11	CARBON	12K	5%	1/4W						
C521	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	R476	1-249-430-11	CARBON	12K	5%	1/4W						
C537	1-126-941-11	ELECT	470MF	20%	25V	R477	1-249-398-11	CARBON	27	5%	1/4W						
C539 Δ	1-126-935-11	ELECT	470MF	20%	16V	R478	1-249-418-11	CARBON	1.2K	5%	1/4W						
C1501	1-115-462-11	FILM	0.12MF	5%	200V	R479	1-249-418-11	CARBON	1.2K	5%	1/4W						
<u>CONNECTOR</u>																	
CN461	1-564-507-11	PLUG, CONNECTOR 4P				R480	1-249-385-11	CARBON	2.2	5%	1/4W						
<u>IC</u>																	
IC461	8-759-980-43	IC TDA2009A				R481	1-249-385-11	CARBON	2.2	5%	1/4W						
<u>CHIP CONDUCTOR</u>																	
JR351	1-216-295-91	SHORT				R482	1-249-421-11	CARBON	2.2K	5%	1/4W						
JR352	1-216-295-91	SHORT				R483	1-249-421-11	CARBON	2.2K	5%	1/4W						
JR1417	1-216-295-91	SHORT				R511 Δ	1-215-885-00	METAL	68	5%	2W						
<u>COIL</u>																	
L461	1-410-472-41	INDUCTOR 15UH				R515	1-216-083-00	RES, CHIP	27K	5%	1/10W						
<u>TRANSFORMER</u>																	
T502 Δ	1-424-545-11	TRANSFORMER FERRITE (PMT)				R523	1-216-073-00	RES, CHIP	10K	5%	1/10W						
T503 Δ	1-453-207-11	FLYBACK TRANSFORMER ASSY, NX-2609//X4C				R529	1-208-814-11	RES, CHIP	22K	0.50%	1/10W						
<u>IC</u>																	
R531 Δ	1-208-826-11	RES, CHIP				R532 Δ	1-215-902-11	METAL	47K	5%	1W						
R546	1-215-453-00	METAL				R547	1-208-814-11	RES, CHIP	22K	1%	1/4W						

The parts on this page belong to the following model(s) only:

KV-34VL65C/34VL65/32V65CND

Note:

The components identified with shading and a critical symbol (Δ) are critical for safety. Replace only with part number specified.

Note:

The components identified by □ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

REF.NO.	PART NO.	DESCRIPTION	REMARK					
A BOARD VARIANT LIST: KV-34VL65C/34VL65/32V65CND								
* A-1298-613-A A BOARD COMPLETE								
<u>CAPACITOR</u>								
C461	1-126-966-11	ELECT	33MF	20%	16V			
C478	1-126-934-11	ELECT	220MF	20%	16V			
C513 △	1-130-895-00	FILM	0.056MF	5%	400V			
C514 △	1-104-844-11	FILM	0.62MF	5%	200V			
C520	1-164-645-11	CERAMIC CHIP	1000PF	10%	500V			
C521	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V			
C537	1-126-941-11	ELECT	470MF	20%	25V			
C539 △	1-126-935-11	ELECT	470MF	20%	16V			
C1501	1-115-462-11	FILM	0.12MF	5%	200V			
<u>CONNECTOR</u>								
CN461	1-564-508-11	PLUG, CONNECTOR 5P						
CN1101	1-573-298-11	CONNECTOR, BOARD TO BOARD						
CN3001	1-573-298-11	CONNECTOR, BOARD TO BOARD						
<u>DIODE</u>								
D368	8-719-991-33	DIODE 1SS133T-77						
<u>CHIP CONDUCTOR</u>								
JR001	1-216-295-91	SHORT						
JR201	1-216-295-91	SHORT						
JR202	1-216-295-91	SHORT						
JR463	1-216-295-91	SHORT						
<u>COIL</u>								
L461	1-408-612-31	INDUCTOR 56UH						
<u>TRANSISTOR</u>								
Q1103	8-729-422-27	TRANSISTOR 2SD601A-Q						
<u>RESISTOR</u>								
R006	1-247-815-91	CARBON	220	5%	1/4W			
R008	1-247-815-91	CARBON	220	5%	1/4W			
R012	1-216-033-00	RES,CHIP	220	5%	1/10W			
R031	1-247-815-91	CARBON	220	5%	1/4W			
R040	1-247-815-91	CARBON	220	5%	1/4W			
R041	1-216-065-91	RES,CHIP	4.7K	5%	1/10W			
R042	1-216-065-91	RES,CHIP	4.7K	5%	1/10W			
R045	1-247-815-91	CARBON	220	5%	1/4W			

Note:

The components identified with shading and a critical symbol (Δ) are critical for safety. Replace only with part number specified.

Note:

The components identified by □ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.


**V SERIES
BOARD VARIANT PARTS LIST**

The parts on this page belong to the following model(s) only:

KV-35V65CND/37VL65/37VL65C

REF.NO.	PART NO.	DESCRIPTION	REMARK					
A BOARD VARIANT LIST: KV-35V65CND/37VL65/37VL65C								
* A-1298-647-A A BOARD, COMPLETE								
<u>CAPACITOR</u>								
C069	1-126-964-11	ELECT	10MF	20%	50V			
C461	1-126-964-11	ELECT	10MF	20%	50V			
C478	1-126-934-11	ELECT	220MF	20%	16V			
C479	1-126-964-11	ELECT	10MF	20%	50V			
C513 Δ	1-129-720-00	FILM	0.033MF	5%	630V			
C514 Δ	1-136-540-11	FILM	0.82MF	5%	200V			
C520	1-101-821-00	CERAMIC CHIP	0.0022MF		500V			
C521	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V			
C537	1-126-942-61	ELECT	1000MF	20%	25V			
C539 Δ	1-126-942-61	ELECT	1000MF	20%	25V			
C542	1-106-383-00	MYLAR	0.047MF	10%	200V			
<u>CONNECTOR</u>								
CN461	1-564-508-11	PLUG, CONNECTOR 5P						
CN1101	1-573-298-11	CONNECTOR, BOARD TO BOARD						
CN3001	1-573-298-11	CONNECTOR, BOARD TO BOARD						
<u>DIODE</u>								
D368	8-719-991-33	DIODE 1SS133T-77						
<u>CHIP CONDUCTOR</u>								
JR001	1-216-295-91	SHORT						
JR201	1-216-295-91	SHORT						
JR202	1-216-295-91	SHORT						
JR463	1-216-295-91	SHORT						
<u>COIL</u>								
L461	1-408-617-31	INDUCTOR 180UH						
L541	1-406-677-11	INDUCTOR						
<u>TRANSISTOR</u>								
O1103	8-729-120-28	TRANSISTOR 2SC1623-L5L6						
<u>RESISTOR</u>								
R006	1-247-815-91	CARBON	220	5%	1/4W			
R008	1-247-815-91	CARBON	220	5%	1/4W			
R012	1-216-033-00	RES,CHIP	220	5%	1/10W			
R031	1-247-815-91	CARBON	220	5%	1/4W			
R040	1-247-815-91	CARBON	220	5%	1/4W			

REF.NO.	PART NO.	DESCRIPTION	REMARK		
R041	1-216-065-91	"RES,CHIP"	4.7K	5%	1/10W
R042	1-216-065-91	"RES,CHIP"	4.7K	5%	1/10W
R045	1-247-815-91	CARBON	220	5%	1/4W
R069	1-216-073-00	RES,CHIP	10K	5%	1/10W
R085	1-216-073-00	RES,CHIP	10K	5%	1/10W
R088	1-216-033-00	RES,CHIP	220	5%	1/10W
R090	1-216-033-00	RES,CHIP	220	5%	1/10W
R358	1-247-815-91	CARBON	220	5%	1/4W
R359	1-247-815-91	CARBON	220	5%	1/4W
R360	1-247-815-91	CARBON	220	5%	1/4W
R386	1-216-049-91	RES,CHIP	1K	5%	1/10W
R511 Δ	1-215-886-11	METAL	100	5%	2W
R515	1-216-077-00	RES, CHIP	15K	5%	1/10W
R523	1-216-071-00	RES,CHIP	8.2K	5%	1/10W
R529	1-208-812-11	RES,CHIP	18K	0.50%	1/10W
R531 Δ	1-208-838-11	RES,CHIP	220K	0.50%	1/10W
R533 Δ	1-215-878-00	METAL	33K	5%	1W
R541	1-249-377-11	CARBON	0.47	5%	1/4W
R542	1-249-397-11	CARBON	22	5%	1/4W
R546	1-215-451-00	METAL	18K	1%	1/4W
<u>TRANSFORMER</u>					
T502 Δ	1-429-408-11	TRANSFORMER FERRITE (PMT)			
T503 Δ	X-4034-797-1	FLYBACK TRANSFORMER ASSY, NX-3005/J1C			
T504	1-413-059-00	TRANSFORMER FERRITE (DFT)			



COMPLETE PARTS LISTING

Note:

The components identified with shading and a critical symbol (Δ) are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK						
AV —————													
* A-1298-612-A AV BOARD, COMPLETE (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)													
CAPACITOR													
C101	1-126-960-11	ELECT	1MF	20%	50V	L102	1-410-470-11	INDUCTOR	10UH				
C102	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	L105	1-408-421-00	INDUCTOR	100UH				
C104	1-126-964-11	ELECT	10MF	20%	50V								
C106	1-104-664-11	ELECT	47MF	20%	25V								
C108	1-126-933-11	ELECT	100MF	20%	16V								
C109	1-163-259-91	CERAMIC CHIP	220PF	5%	50V								
C110	1-104-760-11	CERAMIC CHIP	0.047MF	10%	50V	Q101	8-729-119-78	TRANSISTOR 2SC2785-HFE					
C111	1-126-960-11	ELECT	1MF	20%	50V	Q103	8-729-216-22	TRANSISTOR 2SA1162-G					
C113	1-126-934-11	ELECT	220MF	20%	16V	Q104	8-729-216-22	TRANSISTOR 2SA1162-G					
C1904	1-102-129-00	CERAMIC	0.01MF	10%	50V	Q105	8-729-216-22	TRANSISTOR 2SA1162-G					
C1905	1-126-964-11	ELECT	10MF	20%	50V	Q1901	8-729-216-22	TRANSISTOR 2SA1162-G					
C1906	1-102-129-00	CERAMIC	0.01MF	10%	50V	Q1902	8-729-216-22	TRANSISTOR 2SA1162-G					
C1907	1-126-964-11	ELECT	10MF	20%	50V								
C1908	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V								
C1909	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V								
CONNECTOR													
CN101	1-573-301-21	CONNECTOR, BOARD TO BOARD	20P										
CN102	1-573-979-21	CONNECTOR, BOARD TO BOARD	11P										
CN103 *	1-564-507-11	PLUG, CONNECTOR	4P										
CN106 *	1-564-506-11	PLUG, CONNECTOR	3P										
DIODE													
D101	8-719-109-89	DIODE RD5.6ESB2											
D103	8-719-991-33	DIODE 1SS133T-77											
D104	8-719-991-33	DIODE 1SS133T-77											
D105	8-719-991-33	DIODE 1SS133T-77											
D106	8-719-991-33	DIODE 1SS133T-77											
IC													
IC1901	8-752-058-68	IC CXA1315M											
IC1902	8-759-470-63	IC NJM2145M-TE2											
CHIP CONDUCTOR													
JR101	1-216-295-91	SHORT											
JR102	1-216-295-91	SHORT											
JR103	1-216-295-91	SHORT											
JR105	1-216-295-91	SHORT											
TUNER													
TU101 Δ 8-598-430-00 TUNER, FSS BTF-FA401													

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
B				C3537	1-163-231-11	CERAMIC CHIP	15PF 5%
				C3538	1-163-021-91	CERAMIC CHIP	0.01MF 10%
				C3539	1-163-021-91	CERAMIC CHIP	0.01MF 10%
				C3540	1-163-231-11	CERAMIC CHIP	15PF 5%
				C3541	1-104-664-11	ELECT	47MF 20%
		* A-1135-948-A B BOARD, COMPLETE (KV-32V40 only)		C3542	1-163-021-91	CERAMIC CHIP	0.01MF 10%
		* A-1135-949-A B BOARD, COMPLETE (KV-34VL65C/32V65CND/34VL65/35V65CND/ 37VL65/37VL65C only)		C3543	1-104-664-11	ELECT	47MF 20%
		* A-1135-950-A B BOARD, COMPLETE (KV-32S40/34SL40/34SL40C/32S45/34SL45/35S40/35S45/ 37SL45/34SL40T only)		C3544	1-104-664-11	ELECT	47MF 20%
				C3545	1-164-004-11	CERAMIC CHIP	0.1MF 10%
				C3548	1-164-004-11	CERAMIC CHIP	0.1MF 10%
				C3549	1-126-964-11	ELECT	10MF 20%
				C3550	1-104-664-11	ELECT	47MF 20%
C3501	1-104-664-11	ELECT	47MF 20% 25V	C3551	1-163-021-91	CERAMIC CHIP	0.01MF 10%
C3502	1-163-231-11	CERAMIC CHIP	15PF 5% 50V	C3553	1-126-941-11	ELECT	470MF 20%
C3503	1-163-021-91	CERAMIC	0.01MF 10% 50V	C3556	1-128-551-11	ELECT	22MF 20%
C3504	1-126-964-11	ELECT	10MF 20% 50V	C3557	1-163-235-11	CERAMIC CHIP	22PF 5%
C3505	1-163-131-00	CERAMIC	390PF 5% 50V				
C3506	1-163-021-91	CERAMIC CHIP	0.01MF 10% 50V				
C3507	1-126-963-11	ELECT	4.7MF 20% 50V				
C3508	1-163-021-91	CERAMIC CHIP	0.01MF 10% 50V	CN3502 *	1-573-978-21	CONNECTOR, BOARD TO BOARD 11P (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)	
C3509	1-126-961-11	ELECT	2.2MF 20% 50V	CN3561 *	1-691-616-21	CONNECTOR, BOARD TO BOARD 15P (KV-32V40/34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)	
C3510	1-163-229-11	CERAMIC CHIP	12PF 5% 50V	CN3570 *	1-764-816-11	CONNECTOR, BOARD TO BOARD 20P (KV-32S40/34SL40/34SL40C/32S45/34SL45/35S40/35S45/37SL45/34SL40T only)	
C3511	1-126-964-11	ELECT	10MF 20% 50V				
C3512	1-163-133-00	CERAMIC CHIP	470PF 5% 50V				
C3513	1-163-131-00	CERAMIC CHIP	390PF 5% 50V				
C3514	1-163-009-11	CERAMIC CHIP	0.001MF 10% 50V				
C3515	1-126-963-11	ELECT	4.7MF 20% 50V				
C3516	1-163-089-00	CERAMIC CHIP	6PF 0.5PF 50V	FL3501	1-239-847-11	FILTER, LOW PASS	
C3517	1-163-021-91	CERAMIC CHIP	0.01MF 10% 50V	FL3502	1-239-847-11	FILTER, LOW PASS	
C3518	1-126-941-11	ELECT	470MF 20% 25V	FL3503	1-239-847-11	FILTER, LOW PASS	
C3519	1-163-021-91	CERAMIC CHIP	0.01MF 10% 50V				
C3520	1-163-133-00	CERAMIC CHIP	470PF 5% 50V				
C3521	1-104-664-11	ELECT	47MF 20% 25V	IC3501	8-759-065-82	IC MM1093ND	
C3522	1-126-964-11	ELECT	10MF 20% 50V	IC3502	8-752-385-80	IC CXD2073S	
C3523	1-163-021-91	CERAMIC CHIP	0.01MF 10% 50V	IC3503	8-759-231-53	IC TA7805S	
C3524	1-104-664-11	ELECT	47MF 20% 25V				
C3525	1-163-021-91	CERAMIC CHIP	0.01MF 10% 50V				
C3526	1-163-038-91	CERAMIC CHIP	0.1MF 25V	L3501	1-410-470-11	INDUCTOR 10UH	
C3527	1-163-038-91	CERAMIC CHIP	0.1MF 25V	L3502	1-410-466-41	INDUCTOR 4.7UH	
C3528	1-164-222-11	CERAMIC CHIP	0.22MF 25V	L3503	1-410-470-11	INDUCTOR 10UH	
C3529	1-163-038-91	CERAMIC CHIP	0.1MF 25V	L3504	1-410-470-11	INDUCTOR 10UH	
C3530	1-163-037-11	CERAMIC CHIP	0.022MF 10% 50V	L3505	1-410-470-11	INDUCTOR 10UH	
C3532	1-164-004-11	CERAMIC CHIP	0.1MF 10% 25V				
C3533	1-163-021-91	CERAMIC CHIP	0.01MF 10% 50V				
C3534	1-163-021-91	CERAMIC CHIP	0.01MF 10% 50V				
C3535	1-104-664-11	ELECT	47MF 20% 25V				
C3536	1-126-964-11	ELECT	10MF 20% 50V				

B

COMPLETE PARTS LISTING

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
TRANSISTOR				R3537	1-216-043-91	RES, CHIP	560 5% 1/10W
Q3501	8-729-422-27	TRANSISTOR 2SD601A-Q		R3538	1-216-071-00	RES, CHIP	8.2K 5% 1/10W
Q3502	8-729-216-22	TRANSISTOR 2SA1162-G		R3539	1-216-089-91	RES, CHIP	47K 5% 1/10W
Q3503	8-729-422-27	TRANSISTOR 2SD601A-Q		R3540	1-216-049-91	RES, CHIP	1K 5% 1/10W
Q3504	8-729-216-22	TRANSISTOR 2SA1162-G		R3541	1-216-081-00	RES, CHIP	22K 5% 1/10W
Q3505	8-729-422-27	TRANSISTOR 2SD601A-Q		R3542	1-216-041-00	RES, CHIP	470 5% 1/10W
Q3506	8-729-216-22	TRANSISTOR 2SA1162-G		R3543	1-216-035-00	RES, CHIP	270 5% 1/10W
Q3507	8-729-216-22	TRANSISTOR 2SA1162-G		R3544	1-216-057-00	RES, CHIP	2.2K 5% 1/10W
Q3509	8-729-216-22	TRANSISTOR 2SA1162-G		R3545	1-216-043-91	RES, CHIP	560 5% 1/10W
Q3510	8-729-422-27	TRANSISTOR 2SD601A-Q		R3546	1-216-071-00	RES, CHIP	8.2K 5% 1/10W
Q3516	8-729-216-22	TRANSISTOR 2SA1162-G		R3547	1-216-089-91	RES, CHIP	47K 5% 1/10W
Q3555	8-729-216-22	TRANSISTOR 2SA1162-G		R3548	1-216-081-00	RES, CHIP	22K 5% 1/10W
RESISTOR				R3549	1-216-049-91	RES, CHIP	1K 5% 1/10W
R3501	1-216-091-00	RES, CHIP	56K 5% 1/10W	R3550	1-208-774-11	RES, CHIP	470 0.50% 1/10W
R3502	1-216-081-00	RES, CHIP	22K 5% 1/10W	R3551	1-208-764-11	RES, CHIP	180 0.50% 1/10W
R3503	1-216-009-00	RES, CHIP	22 5% 1/10W				
R3504	1-216-029-00	RES, CHIP	150 5% 1/10W				
R3505	1-216-037-00	RES, CHIP	330 5% 1/10W				
R3506	1-216-035-00	RES, CHIP	270 5% 1/10W				
R3507	1-216-057-00	RES, CHIP	2.2K 5% 1/10W				
R3508	1-216-043-91	RES, CHIP	560 5% 1/10W				
R3509	1-216-075-00	RES, CHIP	12K 5% 1/10W				
R3510	1-216-049-91	RES, CHIP	1K 5% 1/10W				
R3511	1-216-065-91	RES, CHIP	4.7K 5% 1/10W				
R3512	1-216-065-91	RES, CHIP	4.7K 5% 1/10W				
R3513	1-216-041-00	RES, CHIP	470 5% 1/10W	X3501	1-567-505-11	OSCILLATOR, CRYSTAL	
R3514	1-216-121-91	RES, CHIP	1M 5% 1/10W				
R3515	1-216-077-00	RES, CHIP	15K 5% 1/10W				
R3516	1-216-037-00	RES, CHIP	330 5% 1/10W				
R3517	1-216-077-00	RES, CHIP	15K 5% 1/10W				
R3518	1-216-067-00	RES, CHIP	5.6K 5% 1/10W				
R3520	1-208-766-11	RES, CHIP	220 0.50% 1/10W				
R3521	1-208-766-11	RES, CHIP	220 0.50% 1/10W				
R3522	1-208-774-11	RES, CHIP	470 0.50% 1/10W				
R3523	1-208-778-11	RES, CHIP	680 0.50% 1/10W				
R3524	1-208-794-11	RES, CHIP	3.3K 0.50% 1/10W				
R3526	1-208-776-11	RES, CHIP	560 0.50% 1/10W				
R3527	1-208-824-11	RES, CHIP	56K 0.50% 1/10W				
R3529	1-216-295-91	SHORT					
R3531	1-216-295-91	SHORT					
R3534	1-216-295-91	SHORT					
R3535	1-216-295-91	SHORT					
R3536	1-216-057-00	RES, CHIP	2.2K 5% 1/10W				

Note:

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Note:

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COMPLETE PARTS LISTING

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK				
C											
* A-1331-837-A C BOARD, COMPLETE (KV-32V40/34VL65C/32V65CND/34VL65/32S40/34SL40/ 34SL40C/32S45/34SL45/34SL40T only)											
* A-1331-843-A C BOARD, COMPLETE (KV-35V65CND/37VL65/37VL65C/35S40/35S45/37SL45 only)											
	4-382-854-11	SCREW (M3X10), P, SW (+)									
CAPACITOR											
C1750	1-137-528-11	FILM	0.1MF	10%	250V	R1750	1-247-870-11	CARBON	43K	5%	1/4W
C1751	1-107-652-11	ELECT	10MF	20%	250V	R1763	1-260-099-11	CARBON	1K	5%	1/2W
C1790	1-102-129-00	CERAMIC CHIP	0.01MF	10%	50V	R1764	1-247-807-31	CARBON	100	5%	1/4W
C1791	1-126-968-11	ELECT	100MF	20%	50V	R1773	1-260-099-11	CARBON	1K	5%	1/2W
C1792	1-102-108-00	CERAMIC CHIP	150PF	10&	50V	R1774	1-247-807-31	CARBON	100	5%	1/4W
(KV-32V40/34VL65C/32V65CND/34VL65/32S40/34SL40/ 34SL40C/32S45/34SL45/34SL40T only)											
C1794	1-107-651-11	ELECT	4.7MF	20%	250V	R1783	1-260-099-11	CARBON	1K	5%	1/2W
(KV-35V65CND/37VL65/37VL65C/35S40/35S45/37SL45 only)											
C1795	1-102-074-00	CERAMIC CHIP	0.001MF	10%	50V	R1784	1-247-807-31	CARBON	100	5%	1/4W
C1799	1-162-114-00	CERAMIC CHIP	0.0047MF		2KV	R1788	1-216-349-00	METAL OXIDE	1	5%	1W F
(KV-35V65CND/37VL65/37VL65C/35S40/35S45/37SL45 only)											
CONNECTOR											
CN1761*	1-564-509-11	PLUG, CONNECTOR 6P				R1789	1-249-437-11	CARBON	47K	5%	1/4W
CN1764*	1-564-508-11	PLUG, CONNECTOR 5P				R1790	1-216-378-11	METAL OXIDE	5.6	5%	2W F
CN1765	1-695-915-11	TAB (CONTACT)				R1790	1-216-369-00	METAL OXIDE	1	5%	2W F
(KV-35V65CND/37VL65/37VL65C/35S40/35S45/37SL45 only)											
(KV-35V65CND/37VL65/37VL65C/35S40/35S45/37SL45 only)											
(KV-35V65CND/37VL65/37VL65C/35S40/35S45/37SL45 only)											
D1790	8-719-991-33	DIODE 1SS133T-77				R1792	1-247-815-91	CARBON	220	5%	1/4W
D1791	8-719-908-03	DIODE GP08D				R1793	1-247-866-11	CARBON	30K	5%	1/4W
D1792	8-719-908-03	DIODE GP08D				R1794	1-260-132-11	CARBON	560K	5%	1/2W
(KV-35V65CND/37VL65/37VL65C/35S40/35S45/37SL45 only)											
D1793	8-719-908-03	DIODE GP08D				R1795	1-260-087-11	CARBON	100	5%	1/2W
D1794	8-719-908-03	DIODE GP08D				R1796	1-216-378-11	METAL OXIDE	5.6	5%	2W F
(KV-32V40/34VL65C/32V65CND/34VL65/32S40/34SL40/ 34SL40C/32S45/34SL45/34SL40T only)											
D1795	8-719-908-03	DIODE GP08D				R1796	1-216-369-00	METAL OXIDE	1	5%	2W F
(KV-35V65CND/37VL65/37VL65C/35S40/35S45/37SL45 only)											
(KV-35V65CND/37VL65/37VL65C/35S40/35S45/37SL45 only)											
(KV-35V65CND/37VL65/37VL65C/35S40/35S45/37SL45 only)											
(KV-35V65CND/37VL65/37VL65C/35S40/35S45/37SL45 only)											
(KV-35V65CND/37VL65/37VL65C/35S40/35S45/37SL45 only)											
DIODE											
D1790	8-719-991-33	DIODE 1SS133T-77				R1797	1-260-123-11	CARBON	100K	5%	1/2W
D1791	8-719-908-03	DIODE GP08D									
D1792	8-719-908-03	DIODE GP08D									
(KV-35V65CND/37VL65/37VL65C/35S40/35S45/37SL45 only)											
D1793	8-719-908-03	DIODE GP08D									
D1794	8-719-908-03	DIODE GP08D									
(KV-35V65CND/37VL65/37VL65C/35S40/35S45/37SL45 only)											
D1795	8-719-908-03	DIODE GP08D									
IC											
IC1701	8-759-535-08	IC TDA6108Q									
JACK											
J1761	Δ 1-251-388-11	SOCKET, CRT									
COIL											
L1790	1-410-671-31	INDUCTOR 47UH									



COMPLETE PARTS LISTING

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
G				C612	1-136-169-00	FILM	0.22MF 5% 50V (KV-32V40/32S40/34SL40/32S45/34SL45 only)
				C612	1-136-171-00	FILM	0.33MF 5% 50V KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)
				C613	1-164-646-11	CERAMIC CHIP	2200PF 10% 500V
				C615	1-129-722-00	FILM	0.047MF 5% 630V
				C616 Δ	1-117-699-11	CERAMIC CHIP	0.001MF 20% 250V (KV-32V40/32S40/34SL40/32S45/34SL45/32V65CND/34VL65/34SL40T/35S40/35S45/37SL45/35V65CND/37VL65 only)
				C624	1-126-961-11	ELECT	2.2MF 20% 50V
				C628 Δ	1-113-924-11	CERAMIC CHIP	0.0047MF 20% 250V
				C629 Δ	1-107-679-91	ELECT	10MF 20% 450V (KV-34VL65C/34SL40C/37VL65C only)
				C629 Δ	1-107-680-91	ELECT	22MF 20% 450V (KV-32V40/32S40/34SL40/32S45/34SL45/32V65CND/34VL65/34SL40T/35S40/35S45/37SL45/35V65CND/37VL65 only)
				C630	1-130-471-00	MYLAR	0.001MF 5% 50V
				C631	1-137-605-11	FILM	0.01MF 10% 250V
				C633	1-130-471-00	MYLAR	0.001MF 5% 50V
				C634	1-130-467-00	MYLAR	470PF 5% 50V
				C635	1-130-471-00	MYLAR	0.001MF 5% 50V
				C636	1-126-965-11	ELECT	22MF 20% 50V
				C637	1-126-940-11	ELECT	330MF 20% 25V
				C640 Δ	1-113-924-11	CERAMIC CHIP	0.0047MF 20% 250V
				C641	1-128-550-11	ELECT	2200MF 20% 50V
				C643	1-107-641-11	ELECT	220MF 20% 160V
				C647	1-104-665-11	ELECT	100MF 20% 25V
				C648	1-126-965-11	ELECT	22MF 20% 50V (KV-37VL65C/34SL40C/34VL65C only)
				C650	1-104-664-11	ELECT	47MF 20% 25V
				C651	1-137-366-11	FILM	0.0022MF 5% 50V
				C652	1-106-351-00	MYLAR	0.0022MF 20% 200V
				C653	1-107-636-11	ELECT	10MF 20% 160V
				C654	1-164-625-11	CERAMIC CHIP	680PF 10% 500V
				C655	1-164-625-11	CERAMIC CHIP	680PF 10% 500V
				C656	1-164-625-11	CERAMIC CHIP	680PF 10% 500V
				C657	1-164-625-11	CERAMIC CHIP	680PF 10% 500V
				C660	1-126-767-11	ELECT	1000MF 20% 16V
				C690	1-164-645-11	CERAMIC CHIP	1000PF 10% 500V
				C691	1-164-645-11	CERAMIC CHIP	1000PF 10% 500V
C609	1-136-175-00	FILM	0.68MF 5% 50V				
C610	1-136-175-00	FILM	0.68MF 5% 50V				
C611	1-136-169-00	FILM	0.22MF 5% 50V (KV-32V40/32S40/34SL40/32S45/34SL45/34SL40C/34SL40T/35S40/35S45/37VL65 only)				
C611	1-136-171-00	FILM	0.33MF 5% 50V (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)				

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COMPLETE PARTS LISTING

G

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK				
CONNECTOR											
CN601	1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P (KV-35S40/35S45/37SL45/35V65CND/37VL65/37VL65C only)		D648	8-719-057-52	DIODE EZ0150AV1					
CN602	1-580-844-11	PIN, CONNECTOR (POWER) 2P		D649	8-719-510-02	DIODE D1NS4					
CN603	1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P KV-35S40/35S45/37SL45/35V65CND/37VL65 only)		D650	8-719-510-02	DIODE D1NS4					
CN604	1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P (KV-32V40/32S40/34SL40/32S45/34SL45/34VL65C/32VCND/34VL65/ 34SL40C/34SL40T/35S40/35S45/37SL45 only)		FUSE							
CN641	1-564-515-11	PLUG, CONNECTOR 12P		F601	▲ 1-576-193-11	FUSE 6.3A/125V (KV-32V40/32S40/34SL40/32S45/34SL45/32V65CND/34VL65/ 34SL40T/35S40/35S45/37SL45/35V65CND/37VL65 only)					
CN643	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P (KV-32V40/32S40/34SL40/32S45/34SL45/34VL65C/32VCND/34VL65/ 34SL40C/35S40/35S45/37SL45/35V65CND/35VL65/37VL65C only)		F601	▲ 1-532-506-51	FUSE 6.3A/250V (KV-37VL65C/34SL40C/34VL65C only)					
DIODE											
D600	▲ 8-719-991-33	DIODE 1SS133T-77		FB601	1-410-396-41	FERRITE	0.45UH				
D601	8-719-991-33	DIODE 1SS133T-77		FB602	1-410-396-41	FERRITE	0.45UH				
D602	▲ 8-719-510-53	DIODE D4SB60L		FB603	1-410-396-41	FERRITE	0.45UH				
D603	8-719-052-90	DIODE D1NL40-TA2 (KV-32V40/32S40/34SL40/32S45/34SL45/32V65CND/34VL65/ 34SL40T/35S40/35S45/37SL45/35V65CND/37VL65 only)		FB604	1-410-396-41	FERRITE	0.45UH				
D604	8-719-052-90	DIODE D1NL40-TA2 (KV-32V40/32S40/34SL40/32S45/34SL45/32V65CND/34VL65/ 34SL40T/35S40/35S45/37SL45/35V65CND/37VL65 only)		FB641	1-410-397-21	FERRITE	1.1UH				
D612	8-719-991-33	DIODE 1SS133T-77		FB642	1-410-397-21	FERRITE	1.1UH				
D613	8-719-991-33	DIODE 1SS133T-77		FB645	1-410-397-21	FERRITE	1.1UH				
D614	8-719-991-33	DIODE 1SS133T-77		FB647	1-410-397-21	FERRITE	1.1UH				
D621	▲ 8-719-911-55	DIODE U05G		IC							
D622	▲ 8-719-911-55	DIODE U05G		IC601	▲ 8-729-041-12	TRANSISTOR	MX0841AB-F				
D623	8-719-055-18	DIODE ERA22-08TP3		IC622	8-759-450-47	IC	BA05T				
D624	8-719-991-33	DIODE 1SS133T-77		IC641	8-759-198-03	IC	PQ09RF21				
D625	8-719-991-33	DIODE 1SS133T-77 (KV-32V40/32S40/34SL40/32S45/34SL45/34VL65C/32V65CND/ 34VL65/34SL40C/34SL40T/35S40/35S45/37SL45/37VL65C only)		IC643	8-749-012-13	IC	DM-58				
D626	8-719-109-93	DIODE RD6.2ESB2		COIL							
D627	8-719-510-48	DIODE D1N20R		L642	1-412-529-11	INDUCTOR	22UH				
D628	8-719-063-70	DIODE D1NL20U		TRANSISTOR							
D631	8-719-109-69	DIODE RD3.6ES-B2 (KV-37VL65C/34SL40C/34VL65C only)		Q621	▲ 8-729-044-30	TRANSISTOR	2SK2845-LB102				
D632	8-719-063-70	DIODE D1NL20U-TA2 (KV-37VL65C/34SL40C/34VL65C only)		Q622	8-729-119-78	TRANSISTOR	2SC2785-HFE				
D641	8-719-052-92	DIODE D10SBS4F		Q644	8-729-119-78	TRANSISTOR	2SC2785-HFE				
D642	▲ 8-719-510-12	DIODE D10SC4M		Q645	8-729-119-76	TRANSISTOR	2SA1175-HFE				
D643	8-719-028-45	DIODE D2L20U		Q646	8-729-119-76	TRANSISTOR	2SA1175-HFE				
D644	8-719-028-45	DIODE D2L20U		Q647	8-729-119-78	TRANSISTOR	2SC2785-HFE				
D645	8-719-028-45	DIODE D2L20U		Q648	8-729-922-39	TRANSISTOR	2SD2144S-V				
D646	8-719-028-45	DIODE D2L20U		RESISTOR							
D647	8-719-063-70	DIODE D1NL20U		R603	▲ 1-219-776-11	CARBON	2.2M	10%	1/2W		
(KV-32V40/32S40/34SL40/32S45/34SL45/32V65CND/ 34VL65/34SL40T/35S40/35S45/37SL45/35V65CND/37VL65 only)											
D603	▲ 1-247-289-00	CARBON	8.2M	5%	1W						
(KV-34VL65C/34SL40C/37VL65C only)											
R607	▲ 1-202-933-61	FUSIBLE	0.1	10%	1/2W	F					
R608	▲ 1-216-373-11	METAL	2.2	5%	2W	F					



COMPLETE PARTS LISTING

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REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK				
R611 Δ	1-216-373-11	METAL	2.2	5%	2W	F	R667 Δ	1-249-377-11	CARBON	0.47	5%	1/4W	F
R612	1-215-903-11	METAL	68K	5%	2W	F	R668 Δ	1-249-377-11	CARBON	0.47	5%	1/4W	F
R613	1-215-903-11	METAL	68K	5%	2W	F	R670 Δ	1-249-377-11	CARBON	0.47	5%	1/4W	F
R614	1-215-903-11	METAL	68K	5%	2W	F	R671 Δ	1-249-377-11	CARBON	0.47	5%	1/4W	F
R615	1-215-903-11	METAL	68K	5%	2W	F	R672 Δ	1-249-377-11	CARBON	0.47	5%	1/4W	F
R618	1-249-425-11	CARBON	4.7K	5%	1/4W								
R619	1-249-425-11	CARBON	4.7K	5%	1/4W								
R620	1-249-425-11	CARBON	4.7K	5%	1/4W								
R621	1-249-429-11	CARBON	10K	5%	1/4W								
R622	1-247-863-91	CARBON	22K	5%	1/4W								
R623 Δ	1-205-943-11	CEMENTED	1	5%	20W								
	(KV-32V40/32S40/34SL40/32S45/34SL45/32V65CND/												
	34VL65/34SL40T/35S40/35S45/37SL45/35V65CND/37VL65 only)												
R623 Δ	1-243-032-11	CEMENTED	3.9	5%	20W								
	(KV-34VL65C/34SL40C/37VL65C only)												
R624	1-260-131-11	CARBON	470K	5%	1/2W								
R625	1-260-131-11	CARBON	470K	5%	1/2W								
R626	1-249-425-11	CARBON	4.7K	5%	1/4W								
R627 Δ	1-220-797-11	CEMENTED	0.47	5%	10W								
	(KV-32V40/32S40/34SL40/32S45/34SL45/32V65CND/												
	34VL65/34SL40T/35S40/35S45/37SL45/35V65CND/37VL65 only)												
R628	1-240-205-91	CARBON	22M	5%	1/2W								
R629 Δ	1-220-797-11	CEMENTED	0.47	5%	10W								
	(KV-32V40/32S40/34SL40/32S45/34SL45/32V65CND/												
	34VL65/34SL40T/35S40/35S45/37SL45/35V65CND/37VL65 only)												
R630	1-215-421-00	METAL	1K	1%	1/4W								
	(KV-34VL65C/37VL65C/34SL40C only)												
R631	1-215-445-00	METAL	10K	1%	1/4W								
	(KV-34VL65C/37VL65C/34SL40C only)												
R632	1-249-421-11	CARBON	2.2K	5%	1/4W								
R633	1-249-429-11	CARBON	10K	5%	1/4W								
R634	1-249-437-11	CARBON	47K	5%	1/4W								
R635	1-247-791-91	CARBON	22	5%	1/4W								
R636	1-249-415-11	CARBON	680	5%	1/4W								
R637	1-260-302-51	CARBON	6.8	5%	1/2W								
R638	1-249-413-11	CARBON	470	5%	1/4W								
R639 Δ	1-249-389-11	CARBON	4.7	5%	1/4W	F							
R640	1-215-485-00	METAL	470K	1%	1/4W								
R640	1-247-895-91	CARBON	470K	5%	1/4W								
R641	1-247-843-11	CARBON	3.3K	5%	1/4W								
R642	1-247-843-11	CARBON	3.3K	5%	1/4W								
R643	1-249-387-11	CARBON	3.3	5%	1/4W	F							
R648	1-247-887-00	CARBON	220K	5%	1/4W								
R649	1-249-425-11	CARBON	4.7K	5%	1/4W	F							
R659	1-249-429-11	CARBON	10K	5%	1/4W								
R660 Δ	1-249-393-11	CARBON	10	5%	1/4W	F							
R661	1-249-419-11	CARBON	1.5K	5%	1/4W	F							
R666 Δ	1-249-377-11	CARBON	0.47	5%	1/4W	F							

REF.NO.	PART NO.	DESCRIPTION	REMARK		REF.NO.	PART NO.	DESCRIPTION	REMARK	
HS									
HS									
* A-1372-507-A HS BOARD, COMPLETE (KV-35S40/35S45/37SL45 only)									
* A-1372-510-A HS BOARD, COMPLETE (KV-32V40/34VL65C/32V65CND/34VL65/35V65CND/ 37VL65/37VL65C only)									
* A-1372-519-A HS BOARD, COMPLETE (KV-32S45/34SL45 only)									
CAPACITOR									
C2168	1-104-665-11	ELECT	100MF	20%	25V	S2101	1-692-431-21	SWITCH, TACTILE (KV-32S45/34SL45 only)	
C2169	1-126-959-11	ELECT	0.47MF	20%	50V	S2102	1-692-431-21	SWITCH, TACTILE (KV-32S45/34SL45 only)	
CONNECTOR									
CN2101	1-564-524-11	PLUG, CONNECTOR 9P				S2103	1-692-431-21	SWITCH, TACTILE (KV-32S45/34SL45 only)	
CN2102	1-564-523-11	PLUG, CONNECTOR 8P				S2104	1-692-431-21	SWITCH, TACTILE (KV-32S45/34SL45 only)	
		(KV-32V40/34VL65C/32V65CND/34VL65/35V65CND/ 37VL65/37VL65C/32S45/34SL45 only)			S2105	1-692-431-21	SWITCH, TACTILE (KV-32S45/34SL45 only)		
DIODE									
D2106	1-810-039-11	LED UNIT				S2106	1-692-431-21	SWITCH, TACTILE (KV-32S45/34SL45 only)	
		(KV-32S45/34SL45 only)				S2107	1-692-431-21	SWITCH, TACTILE (KV-32S45/34SL45 only)	
IC									
IC2103	8-742-014-11	HYB IC SBX1981-51							
		(KV-32S45/34SL45 only)							
RESISTOR									
R2109	1-216-033-00	RES, CHIP	220	5%	1/10W				
		(KV-32S45/34SL45 only)							
R2110	1-216-033-00	RES, CHIP	220	5%	1/10W				
		(KV-32S45/34SL45 only)							
R2159	1-216-047-91	RES, CHIP	820	5%	1/10W				
		(KV-32S45/34SL45 only)							
R2160	1-216-049-91	RES, CHIP	1K	5%	1/10W				
		(KV-32S45/34SL45 only)							
R2161	1-216-055-00	RES, CHIP	1.8K	5%	1/10W				
		(KV-32S45/34SL45 only)							
R2162	1-216-065-91	RES, CHIP	4.7K	5%	1/10W				
		(KV-32S45/34SL45 only)							
R2163	1-216-073-00	RES, CHIP	10K	5%	1/10W				
		(KV-32S45/34SL45 only)							



COMPLETE PARTS LISTING

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
						<u>JACK</u>	
				J2231	1-691-110-11	JACK, PIN 3P (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)	
				J2232	1-694-063-11	TERMINAL, S (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)	
						<u>RESISTOR</u>	
				R2009	1-216-033-00	RES, CHIP	220 5% 1/10W
				R2010	1-216-033-00	RES, CHIP	220 5% 1/10W
				R2059	1-216-047-91	RES, CHIP (KV-35S40/35S45/37SL45 only)	820 5% 1/10W
				R2060	1-216-049-91	RES, CHIP (KV-32V40 only)	1K 5% 1/10W
				R2061	1-216-055-00	RES, CHIP (KV-32V40 only)	1.8K 5% 1/10W
				R2062	1-216-065-91	RES, CHIP (KV-32V40 only)	4.7K 5% 1/10W
				R2063	1-216-073-00	RES, CHIP (KV-32V40 only)	10K 5% 1/10W
				R2231	1-216-022-00	RES, CHIP (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)	75 5% 1/10W
				R2232	1-216-022-00	RES, CHIP (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)	75 5% 1/10W
				R2233	1-216-065-91	RES, CHIP (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)	4.7K 5% 1/10W
				R2235	1-216-022-00	RES, CHIP (KV-32V40 only)	75 5% 1/10W
				R2236	1-216-113-00	RES, CHIP (KV-32V40 only)	470K 5% 1/10W
				R2237	1-216-065-91	RES, CHIP (KV-32V40 only)	4.7K 5% 1/10W
				R2238	1-216-113-00	RES, CHIP (KV-32V40 only)	470K 5% 1/10W
				R2239	1-216-065-91	RES, CHIP (KV-32V40 only)	4.7K 5% 1/10W
						<u>DIODE</u>	
						<u>IC</u>	
						<u>SWITCH</u>	
D2006	1-810-039-11	LED UNIT					
D2231	8-719-110-17	DIODE RD10ESB2 (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)					
D2232	8-719-110-17	DIODE RD10ESB2 (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)					
D2233	8-719-110-17	DIODE RD10ESB2 (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)					
D2236	8-719-110-17	DIODE RD10ESB2 (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only) (KV-32V40 only)					
IC2003	8-742-014-11	HYB IC SBX1981-51					

<u>REF.NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REMARK</u>	<u>REF.NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REMARK</u>
S2001	1-692-431-21	SWITCH, TACTILE (KV-32V40 only) (KV-35S40/35S45/37SL45 only)					
S2002	1-692-431-21	SWITCH, TACTILE (KV-32V40 only) (KV-35S40/35S45/37SL45 only)					
S2003	1-692-431-21	SWITCH, TACTILE (KV-32V40 only) (KV-35S40/35S45/37SL45 only)					
S2004	1-692-431-21	SWITCH, TACTILE (KV-32V40 only) (KV-35S40/35S45/37SL45 only)					
S2005	1-692-431-21	SWITCH, TACTILE (KV-32V40 only) (KV-35S40/35S45/37SL45 only)					
S2006	1-692-431-21	SWITCH, TACTILE (KV-32V40 only) (KV-35S40/35S45/37SL45 only)					
S2007	1-692-431-21	SWITCH, TACTILE (KV-32V40 only) (KV-35S40/35S45/37SL45 only)					



COMPLETE PARTS LISTING

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
K							
* A-1380-585-A K BOARD, COMPLETE (KV-34VL65C/32VL65CND/34VL65/35VL65CND/37VL65/37VL65C only)							
* 1-556-945-21 CABLE, P-P * 1-557-056-31 CABLE, P-P * 4-052-905-01 V5/6 BRACKET 8-598-414-00 ANTENNA SWITCH AS-2F							
CAPACITOR							
C1461	1-126-960-11	ELECT	1MF	20%	50V		
C1462	1-126-960-11	ELECT	1MF	20%	50V		
C1463	1-126-961-11	ELECT	2.2MF	20%	50V		
C1464	1-104-666-11	ELECT	220MF	20%	25V		
C1465	1-126-960-11	ELECT	1MF	20%	50V		
RESISTOR							
C1467	1-104-664-11	ELECT	47MF	20%	25V	R1461	1-216-061-00
C1468	1-126-960-11	ELECT	1MF	20%	50V	R1462	1-216-073-00
C1470	1-104-666-11	ELECT	220MF	20%	25V	R1464	1-216-061-00
C1471	1-136-169-00	FILM	0.22MF	5%	50V	R1465	1-216-065-91
C1472	1-136-173-00	FILM	0.47MF	5%	50V	R1466	1-216-089-91
C1473	1-128-550-11	ELECT	2200MF	20%	50V	R1467	1-216-073-00
C1474	1-136-169-00	FILM	0.22MF	5%	50V	R1469	1-249-385-11
C1475	1-128-550-11	ELECT	2200MF	20%	50V	R1470	1-249-385-11
C1476	1-128-550-11	ELECT	2200MF	20%	50V	R1471	1-216-089-91
C1477	1-104-665-11	ELECT	100MF	20%	25V	R1472	1-216-041-00
C1478	1-126-969-11	ELECT	220MF	20%	50V	R1473	1-216-113-00
CONNECTOR							
CN1461	* 1-564-508-11	PLUG, CONNECTOR 5P				R1478	1-247-791-91
CN1462	* 1-564-507-11	PLUG, CONNECTOR 4P				R1479	1-249-417-11
CN1463	* 1-564-508-11	PLUG, CONNECTOR 5P				R1480	1-249-421-11
DIODE							
D1461	8-719-991-33	DIODE 1SS133T-77				R1481	1-249-421-11
D1462	8-719-979-50	DIODE EGP30D				R1482	1-216-073-00
D1463	8-719-991-33	DIODE 1SS133T-77				R1483	1-216-073-00
D1464	8-719-991-33	DIODE 1SS133T-77				R1487	1-216-025-91
D1465	8-719-991-33	DIODE 1SS133T-77				R1488	1-216-073-00
D1466	8-719-979-50	DIODE EGP30D					
D1467	8-719-979-50	DIODE EGP30D					

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
P				C3369	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
* A-1195-138-A P BOARD, COMPLETE							
(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)							
(KV-32S45/34SL45/35S45/37SL45 only)							
CAPACITOR							
C3319	1-163-031-11	CERAMIC CHIP	0.01MF 50V	C3320	1-126-960-11	ELECT	1MF 20% 50V
C3321	1-163-231-11	CERAMIC CHIP	15PF 5% 50V	C3322	1-163-231-11	CERAMIC CHIP	15PF 5% 50V
C3323	1-163-031-11	CERAMIC CHIP	0.01MF 50V	C3324	1-104-664-11	ELECT	47MF 20% 16V
C3328	1-104-664-11	ELECT	47MF 20% 16V	C3329	1-104-664-11	ELECT	47MF 20% 16V
C3330	1-163-031-11	CERAMIC CHIP	0.01MF 50V	C3331	1-104-664-11	ELECT	47MF 20% 16V
C3332	1-104-664-11	ELECT	47MF 20% 25V	C3334	1-163-031-11	CERAMIC CHIP	0.01MF 50V
C3335	1-163-038-91	CERAMIC CHIP	0.1MF 25V	C3336	1-163-038-91	CERAMIC CHIP	0.1MF 25V
C3337	1-164-005-11	CERAMIC CHIP	0.47MF 25V	C3340	1-163-031-11	CERAMIC CHIP	0.01MF 50V
C3346	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	C3347	1-126-960-11	ELECT	1MF 20% 50V
C3348	1-104-664-11	ELECT	47MF 20% 16V	C3349	1-163-121-00	CERAMIC CHIP	150PF 5% 50V
C3350	1-164-004-11	CERAMIC CHIP	0.1MF 10% 25V	C3352	1-163-031-11	CERAMIC CHIP	0.01MF 50V
C3353	1-164-346-11	CERAMIC CHIP	1MF 16V	C3354	1-163-031-11	CERAMIC CHIP	0.01MF 50V
C3355	1-126-925-11	ELECT	470MF 20% 10V	C3356	1-163-038-91	CERAMIC CHIP	0.1MF 25V
C3357	1-163-038-91	CERAMIC CHIP	0.1MF 25V	C3358	1-163-038-91	CERAMIC CHIP	0.1MF 25V
C3359	1-163-038-91	CERAMIC CHIP	0.1MF 25V	C3360	1-163-038-91	CERAMIC CHIP	0.1MF 25V
C3361	1-163-038-91	CERAMIC CHIP	0.1MF 25V	C3362	1-126-925-11	ELECT	470MF 20% 10V
C3363	1-163-031-11	CERAMIC CHIP	0.01MF 50V	C3364	1-163-231-11	CERAMIC CHIP	15PF 5% 50V
C3365	1-163-133-00	CERAMIC CHIP	470PF 5% 50V	C3366	1-164-005-11	CERAMIC CHIP	0.47MF 25V
C3367	1-126-963-11	ELECT	4.7MF 20% 50V	C3368	1-164-005-11	CERAMIC CHIP	0.47MF 25V
CONNECTOR							
CN3301* 1-764-816-11 CONNECTOR, BOARD TO BOARD 20P							
IC							
IC3302 8-759-231-53 IC TA7805S							
IC3303 8-759-533-89 IC SDA9288XE-GEG-B121							
IC3304 8-752-086-80 IC CXA2019AQ-T4							
COIL							
L3301 1-408-607-31 INDUCTOR 22UH							
L3302 1-410-473-11 INDUCTOR 18UH							
L3303 1-408-612-31 INDUCTOR 56UH							
TRANSISTOR							
Q3301 8-729-422-27 TRANSISTOR 2SD601A-Q							
Q3302 8-729-216-22 TRANSISTOR 2SA1162-G							
Q3306 8-729-216-22 TRANSISTOR 2SA1162-G							
Q3310 8-729-422-27 TRANSISTOR 2SD601A-Q							
Q3312 8-729-216-22 TRANSISTOR 2SA1162-G							
Q3314 8-729-216-22 TRANSISTOR 2SA1162-G							
RESISTOR							
R3301 1-216-295-91 SHORT							
R3302 1-216-295-91 SHORT							
R3305 1-216-057-00 RES, CHIP 2.2K 5% 1/10W							
R3312 1-216-037-00 RES, CHIP 330 5% 1/10W							
R3313 1-216-295-91 SHORT							
R3314 1-216-049-91 RES, CHIP 1K 5% 1/10W							
R3323 1-216-065-91 RES, CHIP 4.7K 5% 1/10W							
R3329 1-216-069-00 RES, CHIP 6.8K 5% 1/10W							
R3330 1-216-295-91 SHORT							
R3337 1-216-033-00 RES, CHIP 220 5% 1/10W							
R3338 1-216-033-00 RES, CHIP 220 5% 1/10W							
R3339 1-216-049-91 RES, CHIP 1K 5% 1/10W							
R3340 1-216-041-00 RES, CHIP 470 5% 1/10W							
R3341 1-216-057-00 RES, CHIP 2.2K 5% 1/10W							
R3342 1-216-057-00 RES, CHIP 2.2K 5% 1/10W							
R3343 1-216-049-91 RES, CHIP 1K 5% 1/10W							
R3346 1-216-049-91 RES, CHIP 1K 5% 1/10W							
R3351 1-216-295-91 SHORT							
R3352 1-216-049-91 RES, CHIP 1K 5% 1/10W							

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK
R3358	1-216-047-91	RES, CHIP	820	5%	1/10W				
R3359	1-216-047-91	RES, CHIP	820	5%	1/10W				
R3360	1-216-053-00	RES, CHIP	1.5K	5%	1/10W				
R3361	1-216-053-00	RES, CHIP	1.5K	5%	1/10W				
R3362	1-216-041-00	RES, CHIP	470	5%	1/10W				
R3363	1-216-041-00	RES, CHIP	470	5%	1/10W				
R3364	1-216-041-00	RES, CHIP	470	5%	1/10W				
R3375	1-216-041-00	RES, CHIP	470	5%	1/10W				
R3376	1-216-071-00	RES, CHIP	8.2K	5%	1/10W				
R3377	1-216-073-00	RES, CHIP	10K	5%	1/10W				
R3378	1-208-786-11	RES, CHIP	1.5K	0.50%	1/10W				
R3379	1-216-077-00	RES, CHIP	15K	5%	1/10W				
R3380	1-216-025-91	RES, CHIP	100	5%	1/10W				
R3381	1-216-025-91	RES, CHIP	100	5%	1/10W				
R3382	1-216-057-00	RES, CHIP	2.2K	5%	1/10W				
R3383	1-216-025-91	RES, CHIP	100	5%	1/10W				
R3384	1-216-033-00	RES, CHIP	220	5%	1/10W				
R3385	1-216-109-00	RES, CHIP	330K	5%	1/10W				
R3386	1-216-295-91	SHORT							
R3387	1-216-295-91	SHORT							
R3388	1-216-295-91	SHORT							
R3393	1-216-025-91	RES, CHIP	100	5%	1/10W				
R3394	1-216-025-91	RES, CHIP	100	5%	1/10W				
R3395	1-216-061-00	RES, CHIP	3.3K	5%	1/10W				
<u>CRYSTAL</u>									
X3302	1-760-095-21	VIBRATOR, CRYSTAL							
X3303	1-577-611-11	OSCILLATOR, CERAMIC							
X3304	1-567-505-11	OSCILLATOR, CRYSTAL							



COMPLETE PARTS LISTING

Note:

The components identified with shading and a critical symbol (Δ) are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK				
<u>DIODE</u>											
D100	8-719-981-99	DIODE MTZJ-3.3		J902	1-764-143-11	JACK 3P (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)					
D231	8-719-110-17	DIODE RD10ESB2		J903	1-764-143-11	JACK 3P (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)					
D232	8-719-110-17	DIODE RD10ESB2		J904	1-764-143-11	JACK 3P (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)					
D233	8-719-110-17	DIODE RD10ESB2		<u>CHIP CONDUCTOR</u>							
D234	8-719-110-17	DIODE RD10ESB2		JR101	1-216-295-91	SHORT (KV-32V40 only)					
D235	8-719-110-17	DIODE RD10ESB2		JR106	1-216-295-91	SHORT					
D236	8-719-110-17	DIODE RD10ESB2		JR107	1-216-295-91	SHORT					
D237	8-719-981-99	DIODE MTZJ-3.3		JR109	1-216-295-91	SHORT (KV-32V40 only)					
D238	8-719-981-99	DIODE MTZJ-3.3		JR201	1-216-295-91	SHORT					
D239	8-719-981-99	DIODE MTZJ-3.3 (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/ 37VL65C only)		JR204	1-216-295-91	SHORT					
D240	8-719-110-17	DIODE RD10ESB2		JR205	1-216-295-91	SHORT					
D241	8-719-110-17	DIODE RD10ESB2		JR269	1-216-295-91	SHORT					
D242	8-719-110-17	DIODE RD10ESB2		JR270	1-216-295-91	SHORT					
D243	8-719-110-17	DIODE RD10ESB2		JR272	1-216-295-91	SHORT					
D244	8-719-110-17	DIODE RD10ESB2		JR273	1-216-295-91	SHORT					
D245	8-719-981-99	DIODE MTZJ-3.3 (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/ 37VL65C only)		JR274	1-216-295-91	SHORT					
D246	8-719-981-99	DIODE MTZJ-3.3		JR276	1-216-295-91	SHORT					
D264	8-719-110-17	DIODE RD10ESB2		JR901	1-216-295-91	SHORT (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)					
D265	8-719-110-17	DIODE RD10ESB2		<u>TRANSISTOR</u>							
D902	8-719-110-17	DIODE RD10ESB2 (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/ 37VL65C only)		Q100	8-729-422-27	TRANSISTOR 2SD601A-Q					
IC				Q101	8-729-422-27	TRANSISTOR 2SD601A-Q					
IC100	8-752-072-39	IC CXA2021S		Q231	8-729-422-27	TRANSISTOR 2SD601A-Q					
IC101	8-759-100-96	IC UPC4558G2		Q232	8-729-422-27	TRANSISTOR 2SD601A-Q (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)					
IC102	8-759-537-25	IC NJM2150M		Q233	8-729-422-27	TRANSISTOR 2SD601A-Q					
IC103	8-759-537-26	IC TDA7467D		Q234	8-729-422-27	TRANSISTOR 2SD601A-Q					
IC261	8-759-366-77	IC MM1311AD (KV-32V40 only)		Q235	8-729-422-27	TRANSISTOR 2SD601A-Q (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)					
IC261	8-759-534-81	IC MM1313AD (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/ 37VL65C only)		Q236	8-729-422-27	TRANSISTOR 2SD601A-Q (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)					
<u>JACK</u>											
J231	1-750-515-11	TERMINAL BLOCK, S 3P		Q237	8-729-216-22	TRANSISTOR 2SA1162-G					
J232	1-750-517-11	JACK BLOCK, PIN 3P		Q238	8-729-216-22	TRANSISTOR 2SA1162-G					
J233	1-750-516-11	JACK BLOCK, PIN 2P		Q239	8-729-216-22	TRANSISTOR 2SA1162-G					
J234	1-750-517-11	JACK BLOCK, PIN 3P		Q240	8-729-216-22	TRANSISTOR 2SA1162-G (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)					
J235	1-750-517-11	JACK BLOCK, PIN 3P (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/ 37VL65C only)		Q241	8-729-216-22	TRANSISTOR 2SA1162-G (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)					
				Q242	8-729-216-22	TRANSISTOR 2SA1162-G (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)					
				Q243	8-729-216-22	TRANSISTOR 2SA1162-G					

Note:

The components identified with shading and a critical symbol (Δ) are critical for safety. Replace only with part number specified.

Note:

Les composants identifies par un trame et une marque Δ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

COMPLETE PARTS LISTING



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
Q261	8-729-422-27	TRANSISTOR 2SD601A-Q (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)		R142	1-216-295-91	SHORT (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)	
Q262	8-729-422-27	TRANSISTOR 2SD601A-Q		R201	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
Q263	8-729-216-22	TRANSISTOR 2SA1162-G		R202	1-216-049-91	RES, CHIP	1K 5% 1/10W
Q265	8-729-216-22	TRANSISTOR 2SA1162-G		R203	1-216-069-00	RES, CHIP	6.8K 5% 1/10W
				R204	1-216-069-00	RES, CHIP	6.8K 5% 1/10W
RESISTOR				R206	1-216-049-91	RES, CHIP	1K 5% 1/10W
R100	1-216-033-00	RES, CHIP	220 5% 1/10W				(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)
R101	1-216-033-00	RES, CHIP	220 5% 1/10W	R207	1-216-295-91	SHORT (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)	
R102	1-216-073-00	RES, CHIP	10K 5% 1/10W	R208	1-216-049-91	RES, CHIP	1K 5% 1/10W
R103	1-216-093-00	RES, CHIP	68K 5% 1/10W				(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)
R104	1-216-089-91	RES, CHIP	47K 5% 1/10W	R209	1-216-069-00	RES, CHIP	6.8K 5% 14W
R105	1-216-089-91	RES, CHIP	47K 5% 1/10W				(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)
R106	1-216-049-91	RES, CHIP	1K 5% 1/10W	R210	1-216-069-00	RES, CHIP	6.8K 5% 1/10W
R107	1-216-049-91	RES, CHIP	1K 5% 1/10W				(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)
R108	1-216-073-00	RES, CHIP	10K 5% 1/10W	R212	1-249-440-11	CARBON	82K 5% 1/4W
R109	1-216-089-91	RES, CHIP	47K 5% 1/10W	R213	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
R110	1-216-089-91	RES, CHIP	47K 5% 1/10W	R214	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
R111	1-216-025-91	RES, CHIP	100 5% 1/10W	R215	1-249-413-11	CARBON	470 5% 1/4W
R112	1-216-121-91	RES, CHIP	1M 5% 1/10W	R216	1-216-025-91	RES, CHIP	100 5% 1/10W
R113	1-216-081-00	RES, CHIP	22K 5% 1/10W	R217	1-216-025-91	RES, CHIP	100 5% 1/10W
R114	1-216-081-00	RES, CHIP	22K 5% 1/10W	R218	1-216-025-91	RES, CHIP	100 5% 1/10W
R115	1-216-081-00	RES, CHIP	22K 5% 1/10W	R219	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
R116	1-216-081-00	RES, CHIP	22K 5% 1/10W				(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)
R117	1-216-073-00	RES, CHIP	10K 5% 1/10W	R220	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
R118	1-216-073-00	RES, CHIP	10K 5% 1/10W				(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)
R119	1-216-073-00	RES, CHIP	10K 5% 1/10W	R221	1-249-413-11	CARBON	470 5% 1/4W
							(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)
R124	1-216-033-00	RES, CHIP	220 5% 1/10W	R222	1-216-025-91	RES, CHIP	100 5% 1/10W
R125	1-216-033-00	RES, CHIP	220 5% 1/10W				(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)
R126	1-216-063-91	RES, CHIP	3.9K 5% 1/10W	R223	1-216-025-91	RES, CHIP	100 5% 1/10W
R127	1-216-089-91	RES, CHIP	47K 5% 1/10W				(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)
R128	1-216-085-00	RES, CHIP	33K 5% 1/10W	R224	1-216-025-91	RES, CHIP	100 5% 1/10W
R129	1-216-053-00	RES, CHIP	1.5K 5% 1/10W				(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)
R130	1-216-100-00	RES, CHIP	130K 5% 1/10W	R225	1-247-815-91	CARBON	220 5% 1/4W
R131	1-216-049-91	RES, CHIP	1K 5% 1/10W				(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)
R132	1-216-088-00	RES, CHIP	43K 5% 1/10W	R226	1-247-815-91	CARBON	220 5% 1/4W
R133	1-216-061-00	RES, CHIP	3.3K 5% 1/10W				(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)
R134	1-216-061-00	RES, CHIP	3.3K 5% 1/10W	R227	1-249-440-11	CARBON	82K 5% 1/4W
R135	1-216-097-91	RES, CHIP	100K 5% 1/10W				(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)
R136	1-216-093-00	RES, CHIP	68K 5% 1/10W	R228	1-216-033-00	RES, CHIP	220 5% 1/10W
R137	1-216-025-91	RES, CHIP	100 5% 1/10W	R229	1-216-025-91	RES, CHIP	100 5% 1/10W
R141	1-216-295-91	SHORT (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)		R230	1-216-033-00	RES, CHIP	220 5% 1/10W
				R231	1-216-022-00	RES, CHIP	75 5% 1/10W
				R232	1-216-022-00	RES, CHIP	75 5% 1/10W
				R233	1-216-065-91	RES, CHIP	4.7K 5% 1/10W
				R234	1-216-022-00	RES, CHIP	75 5% 1/10W
				R235	1-216-113-00	RES, CHIP	470K 5% 1/10W



COMPLETE PARTS LISTING

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK		
R236	1-216-065-91	RES, CHIP	4.7K	5%	1/10W	R275	1-249-425-11	CARBON	4.7K	5%	1/4W
R237	1-216-113-00	RES, CHIP	470K	5%	1/10W		(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)				
R238	1-216-065-91	RES, CHIP	4.7K	5%	1/10W	R276	1-249-425-11	CARBON	4.7K	5%	1/4W
R239	1-216-022-00	RES, CHIP	75	5%	1/10W		(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)				
R240	1-216-113-00	RES, CHIP	470K	5%	1/10W	R277	1-216-049-91	RES, CHIP	1K	5%	1/10W
						R278	1-249-413-11	CARBON	470	5%	1/4W
R241	1-216-065-91	RES, CHIP	4.7K	5%	1/10W		(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)				
R242	1-216-113-00	RES, CHIP	470K	5%	1/10W	R279	1-216-025-91	RES, CHIP	100	5%	1/10W
R243	1-216-065-91	RES, CHIP	4.7K	5%	1/10W						
R244	1-216-113-00	RES, CHIP	470K	5%	1/10W	R280	1-216-033-00	RES, CHIP	220	5%	1/10W
R245	1-249-417-11	CARBON	1K	5%	1/4W	R281	1-216-033-00	RES, CHIP	220	5%	1/10W
						R282	1-216-025-91	RES, CHIP	100	5%	1/10W
R246	1-216-113-00	RES, CHIP	470K	5%	1/10W	R283	1-216-025-91	RES, CHIP	100	5%	1/10W
R247	1-249-417-11	CARBON	1K	5%	1/4W	R284	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R248	1-216-021-00	RES, CHIP	68	5%	1/10W						
R249	1-216-113-00	RES, CHIP	470K	5%	1/10W	R285	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R250	1-216-113-00	RES, CHIP	470K	5%	1/10W	R286	1-216-049-91	RES, CHIP	1K	5%	1/10W
						R288	1-247-815-91	CARBON	220	5%	1/4W
R251	1-216-113-00	RES, CHIP	470K	5%	1/10W	R289	1-247-815-91	CARBON	220	5%	1/4W
R252	1-216-019-00	RES, CHIP	56	5%	1/10W	R290	1-247-815-91	CARBON	220	5%	1/4W
	(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)										
R253	1-216-113-00	RES, CHIP	470K	5%	1/10W	R291	1-216-025-91	RES, CHIP	100	5%	1/10W
	(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)					R292	1-216-025-91	RES, CHIP	100	5%	1/10W
	(KV-32V40 only)										
R254	1-216-113-00	RES, CHIP	470K	5%	1/10W	R293	1-216-025-91	RES, CHIP	100	5%	1/10W
	(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)						(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)				
R255	1-216-113-00	RES, CHIP	470K	5%	1/10W	R294	1-216-049-91	RES, CHIP	1K	5%	1/10W
	(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)					R902	1-249-405-11	CARBON	100	5%	1/4W
	(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)										
R256	1-216-069-00	RES, CHIP	6.8K	5%	1/10W	R919	1-216-295-91	SHORT			
R258	1-216-069-00	RES, CHIP	6.8K	5%	1/10W		(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)				
	(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)					R920	1-249-405-11	CARBON	100	5%	1/4W
R259	1-216-065-91	RES, CHIP	4.7K	5%	1/10W		(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)				
R260	1-247-807-31	CARBON	100	5%	1/4W	R921	1-249-405-11	CARBON	100	5%	1/4W
	(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)						(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)				
R261	1-216-009-00	RES, CHIP	22	5%	1/10W	R922	1-216-049-91	RES, CHIP	1K	5%	1/10W
	(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)						(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)				
R264	1-247-815-91	CARBON	220	5%	1/4W	R923	1-216-049-91	RES, CHIP	1K	5%	1/10W
R265	1-247-815-91	CARBON	220	5%	1/4W		(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)				
R266	1-216-043-91	RES, CHIP	560	5%	1/10W						
	(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)										
R267	1-249-415-11	CARBON	680	5%	1/4W	R268	1-216-025-91	RES, CHIP	100	5%	1/10W
	(KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C only)										
R269	1-216-025-91	RES, CHIP	100	5%	1/10W						
R270	1-216-041-00	RES, CHIP	470	5%	1/10W						
R271	1-249-415-11	CARBON	680	5%	1/4W						
R272	1-249-417-11	CARBON	1K	5%	1/4W						
R274	1-249-413-11	CARBON	470	5%	1/4W						



COMPLETE PARTS LISTING

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK
R967	1-216-065-91	RES, CHIP	4.7K	5%	1/10W				
R968	1-216-083-00	RES, CHIP	27K	5%	1/10W				
R969	1-216-295-91	SHORT							
R970	1-216-033-00	RES, CHIP	220	5%	1/10W				
R971	1-247-899-11	CARBON	680K	5%	1/4W				
R972	1-216-073-00	RES, CHIP	10K	5%	1/10W				
R973	1-216-121-91	RES, CHIP	1M	5%	1/10W				
R974	1-216-073-00	RES, CHIP	10K	5%	1/10W				
R975	1-216-446-00	METAL OXIDE	18	5%	2W F				
R976	1-216-423-11	METAL OXIDE	27	5%	1W F				
R979	1-216-017-91	RES, CHIP	47	5%	1/10W				
R981	1-216-081-00	RES, CHIP	22K	5%	1/10W				
R982	1-216-081-00	RES, CHIP	22K	5%	1/10W				
R983	1-216-081-00	RES, CHIP	22K	5%	1/10W				
R984	1-216-081-00	RES, CHIP	22K	5%	1/10W				
R987	1-216-049-91	RES, CHIP	1K	5%	1/10W				
R988	1-216-295-91	SHORT							
R989	1-216-304-11	RES, CHIP	3.3	5%	1/10W				
R992	1-216-073-00	RES, CHIP	10K	5%	1/10W				
R1941	1-260-311-11	CARBON	39	5%	1/2W				
R1942	1-249-384-11	CARBON	1.8	5%	1/4W F				
R1943	1-249-414-11	CARBON	560	5%	1/4W F				
R1944	1-249-432-11	CARBON	18K	5%	1/4W				
R1945	1-216-476-11	METAL OXIDE	180	5%	3W F				
R1946	1-249-417-11	CARBON	1K	5%	1/4W F				
R1947	1-249-432-11	CARBON	18K	5%	1/4W				
R1948	1-249-414-11	CARBON	560	5%	1/4W				
R1949	1-249-384-11	CARBON	1.8	5%	1/4W F				
R1950	1-249-400-11	CARBON	39	5%	1/4W F				

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
WB						RESISTOR	
* A-1372-508-A WB BOARD, COMPLETE (KV-32V40/34VL65C/32V65CND/34VL65/32S40/ 34SL40/34SL40C/32S45/34SL45 only)						R2943 1-216-025-91	RES,CHIP 100 5% 1/10W
4-382-854-11 SCREW (M3X10), P, SW (+)						R2948 1-216-049-91	RES,CHIP 1K 5% 1/10W
CAPACITOR						R2949 1-216-049-91	RES,CHIP 1K 5% 1/10W
C2941	1-126-935-11	ELECT	470MF 20%	16V	R2950 1-216-049-91	RES,CHIP 1K 5% 1/10W	
C2944	1-163-021-91	CERAMIC CHIP	0.01MF 10%	50V	R2951 1-216-049-91	RES,CHIP 1K 5% 1/10W	
C2946	1-126-933-11	ELECT	100MF 20%	16V	R2952 1-216-037-00	RES,CHIP 330 5% 1/10W	
C2949	1-161-830-00	CERAMIC CHIP	0.0047MF	500V	R2953 1-216-021-00	RES,CHIP 68 5% 1/10W	
C2950	1-126-933-11	ELECT	100MF 20%	16V	R2954 1-216-033-00	RES,CHIP 220 5% 1/10W	
C2951	1-107-638-11	ELECT	33MF 20%	160V	R2955 1-216-047-91	RES,CHIP 820 5% 1/10W	
C2952	1-104-999-11	MYLAR	0.1MF 10%	200V	R2956 1-216-295-91	SHORT	
C2953	1-106-383-00	MYLAR	0.047MF 10%	200V	R2957 1-216-073-00	RES,CHIP 10K 5% 1/10W	
C2954	1-137-364-11	FILM	0.001MF 5%	50V	R2958 1-216-295-91	SHORT	
C2955	1-107-667-11	ELECT	2.2MF 20%	160V	R2959 1-216-021-00	RES,CHIP 68 5% 1/10W	
C2956	1-137-364-11	FILM	0.001MF 5%	50V	R2979 1-216-017-91	RES,CHIP 47 5% 1/10W	
C2957	1-106-383-00	MYLAR	0.047MF 10%	200V	R4941 1-260-311-11	CARBON 39 5% 1/2W	
C2958	1-126-933-11	ELECT	100MF 20%	16V	R4942 1-249-384-11	CARBON 1.8 5% 1/4W F	
C2975	1-163-001-11	CERAMIC CHIP	220PF 10%	50V	R4943 1-249-414-11	CARBON 560 5% 1/4W F	
CONNECTOR						R4944 1-249-432-11	CARBON 18K 5% 1/4W
CN2941* 1-564-508-11 PLUG, CONNECTOR 5P						R4945 1-216-476-11	METAL OXIDE 180 5% 3W F
DIODE						R4946 1-249-417-11	CARBON 1K 5% 1/4W F
D2941	8-719-991-33	DIODE 1SS133T-77			R4947 1-249-432-11	CARBON 18K 5% 1/4W	
D2946	8-719-110-88	DIODE RD39ESB2			R4948 1-249-414-11	CARBON 560 5% 1/4W	
D2947	8-719-110-88	DIODE RD39ESB2			R4949 1-249-384-11	CARBON 1.8 5% 1/4W F	
COIL						R4950 1-249-400-11	CARBON 39 5% 1/4W F
L2942	1-215-863-11	METAL OXIDE	100 5%	1W F			
TRANSISTOR							
Q2943	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q2944	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q2945	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q2946	8-729-017-05	TRANSISTOR 2SA1837					
Q2947	8-729-017-06	TRANSISTOR 2SC4793					
Q2965	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q2966	8-729-216-22	TRANSISTOR 2SA1162-G					

ACCESSORIES AND PACKING MATERIALS

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK				
<u>S SERIES</u>				<u>V SERIES</u>							
<u>ACCESSORIES AND PACKING MATERIALS</u>				<u>ACCESSORIES AND PACKING MATERIALS</u>							
4-041-259-01 * BAG, PROTECTION (KV-32S40/34SL40/34SL40C/32S45/34SL45/34SL40T)				4-041-259-01 * BAG, PROTECTION (KV-32V40/34VL65C/32V65/34VL65)							
4-053-658-01 * BAG, PROTECTION (KV-35S40/35S45/37SL45)				4-053-658-01 * BAG, PROTECTION (KV-35V65/35VL65/35V65C)							
4-063-179-01 * CARTON, INDIVIDUAL (KV-32S40/32S45/34SL40T)				4-065-159-01 * INDIVIDUAL CARTON (KV-34VL65C/34VL65)							
4-056-782-01 * CARTON, INDIVIDUAL (KV-35S40/35S45/37SL45)				4-053-276-01 * INDIVIDUAL CARTON (KV-35V65/35VL65/35V65C)							
4-065-233-01 * CARTON, INDIVIDUAL (KV-34SL40/34SL40C/34SL45)				4-054-073-12 * INDIVIDUAL CARTON (KV-32V40/32V65)							
4-056-783-01 * CUSHION, UPPER ASSY (KV-35S40/35S45/37SL45)				4-053-277-01 * CUSHION, UPPER ASSY (KV-35V65/35VL65/35V65C)							
4-063-180-01 * CUSHION, UPPER ASSY (KV-32S40/34SL40/34SL40C/32S45/34SL45/34SL40T)				4-054-067-01 * CUSHION, UPPER ASSY (KV-32V40/34VL65C/32V65/34VL65)							
4-056-784-01 * CUSHION, LOWER ASSY (KV-35S40/35S45/37SL45)				4-054-070-01 * CUSHION, LOWER ASSY (KV-32V40/34VL65C/32V65/34VL65)							
4-063-181-01 * CUSHION, LOWER ASSY (KV-32S40/34SL40/34SL40C/32S45/34SL45/34SL40T)				4-053-278-01 * CUSHION, LOWER ASSY (KV-35V65/35VL65/35V65C)							
3-862-568-21	MANUAL, INSTRUCTION (KV-32S40/32S45/35S40/35S45)			3-862-568-21	MANUAL, INSTRUCTION (KV-32V40)						
3-862-708-41	MANUAL, INSTRUCTION (KV-34SL40/34SL40C/34SL45/37SL45)			3-862-568-31	MANUAL, INSTRUCTION (KV-32V40CND/32V65CND/35V65CND)						
3-864-098-71	MANUAL, INSTRUCTION (KV-34SL40T)			3-862-708-41	MANUAL, INSTRUCTION (KV-34VL65C/34VL65/37VL65C/37VL65)						
<u>REMOTE COMMANDER</u>				<u>REMOTE COMMANDER</u>							
1-475-801-11 REMOTE COMMANDER (RM-Y165) (KV-32S40/34SL40/34SL40C/32S45/35S40/34SL40T)				1-475-801-11 REMOTE COMMANDER (RM-Y165) (KV-32V40)							
4-978-977-01 BATTERY COVER (FOR REMOTE) (KV-32S40/34SL40/34SL40C/32S45/35S40/34SL40T)				4-978-977-01 BATTERY COVER (FOR REMOTE) (KV-32V40)							
1-475-802-11 REMOTE COMMANDER (RM-Y167) (KV-34SL45/35S45/37SL45)				1-475-802-11 REMOTE COMMANDER (RM-Y167) (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C)							
4-978-977-01 BATTERY COVER (FOR REMOTE) (KV-34SL45/35S45/37SL45)				4-978-977-01 BATTERY COVER (FOR REMOTE) (KV-34VL65C/32V65CND/34VL65/35V65CND/37VL65/37VL65C)							

9-965-843-01

Sony Corporation
Sony Technology Center
Product Quality Division
Service Promotion Department

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SERVICE MANUAL

AA-2D CHASSIS

<u>MODEL</u>	<u>DEST.</u>	<u>COMMANDER</u>	<u>CHASSIS NO.</u>
KV-32S40	US	RM-Y165	SCC-S07A-A
KV-32S40	CND	RM-Y165	SCC-S08A-A
KV-32S45	US	RM-Y167	SCC-S07B-A
KV-32S45	CND	RM-Y167	SCC-S08B-A
KV-34SL40T	TAIWAN	RM-Y165	SCC-S16A-A
KV-34SL40C	E	RM-Y165	SCC-S09A-A
KV-34SL40	E	RM-Y165	SCC-S09B-A
KV-34SL45	E	RM-Y167	SCC-S09C-A
KV-35S40	US	RM-Y165	SCC-S07D-A
KV-35S40	CND	RM-Y165	SCC-S08E-A
KV-35S45	US	RM-Y167	SCC-S07E-A
KV-35S45	CND	RM-Y167	SCC-S08F-A
KV-37SL45	E	RM-Y167	SCC-S09F-A
KV-32V40	US	RM-Y165	SCC-S07C-A
KV-32V40	CND	RM-Y165	SCC-S08C-A
KV-32V65	US	RM-Y167	SCC-S07P-A
KV-32V65	CND	RM-Y167	SCC-S08D-A
KV-34VL65	E	RM-Y167	SCC-S09E-A
KV-34VL65C	E	RM-Y167	SCC-S09D-A
KV-35V65	US	RM-Y167	SCC-S07Q-A
KV-35V65	CND	RM-Y167	SCC-S08G-A
KV-37VL65	E	RM-Y167	SCC-S09G-A
KV-37VL65C	E	RM-Y167	SCC-S09H-A

SUPPLEMENT-1

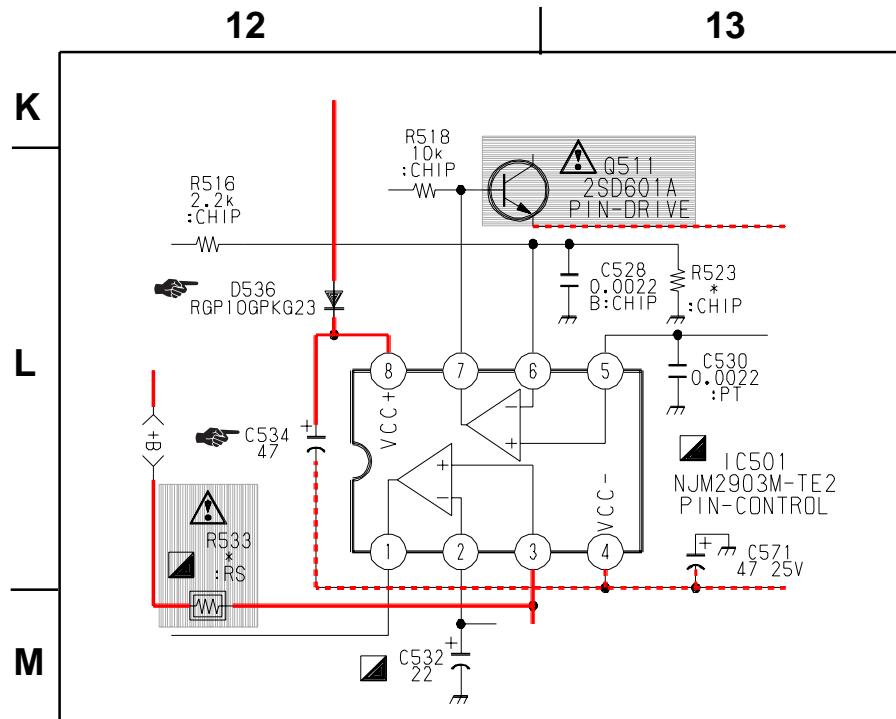
SUBJECT: A Board Schematic and Parts List

Correct the service manual as shown.
File this Supplement with the service manual.

TRINITRON® COLOR TV
SONY®

Section 6: A Board Schematic Diagram (S series) (Page 40)
A Board Schematic Diagram (V series) (Page 44)

☞: Added Item



Old

New

<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>
C534	Not Listed ---->	Needs to be added
D536	Not Listed ---->	Needs to be added

<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>
☞ C534	1-126-967-11	ELECT 47μF 20% 50V
☞ D536	8-719-302-43	DIODE ELIZ